ELECTRONIC CASH REGISTER

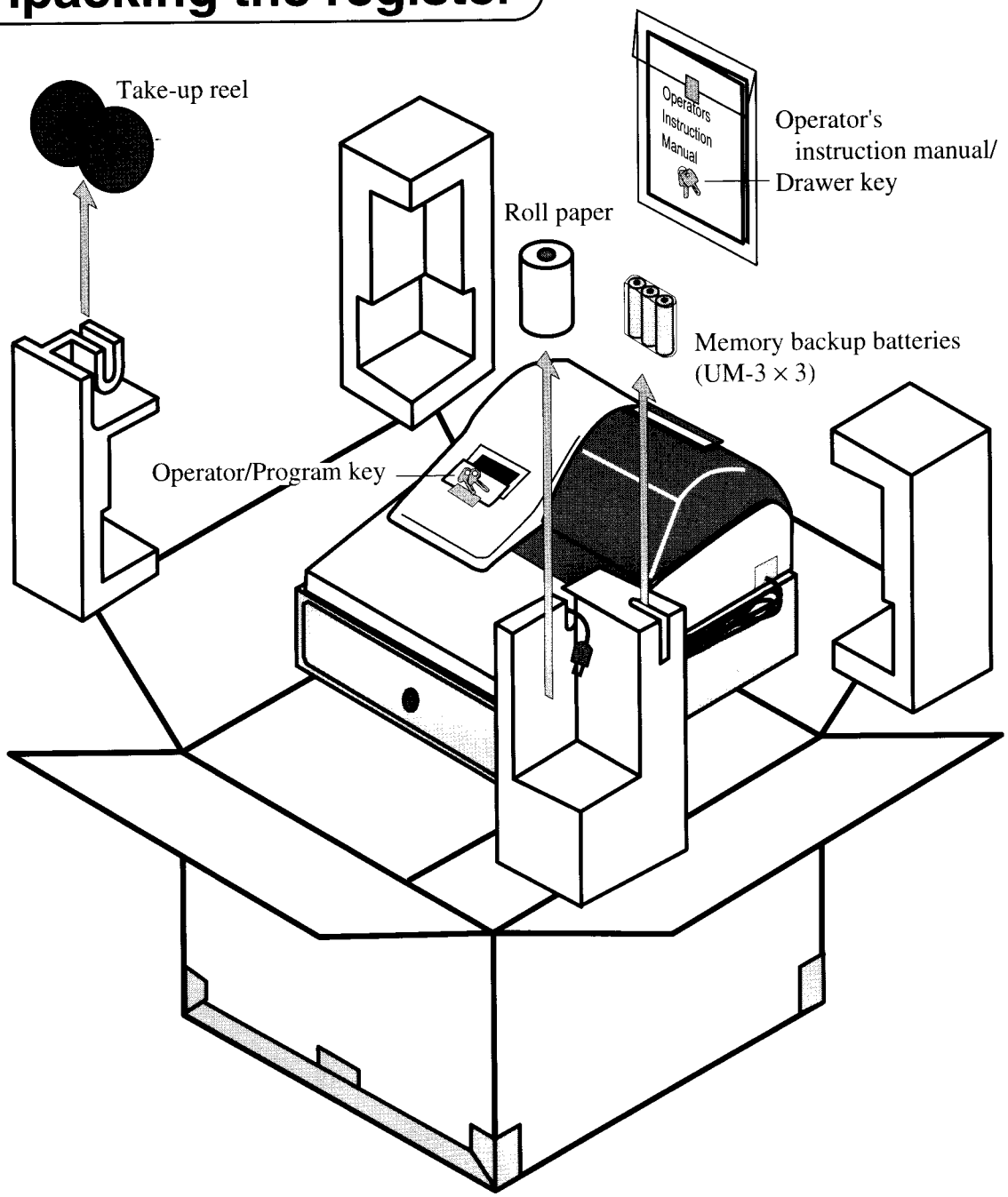
200CR

OPERATOR'S INSTRUCTION MANUAL

Di

CASIO

Unpacking the register



Welcome to the CASIO 200CR!

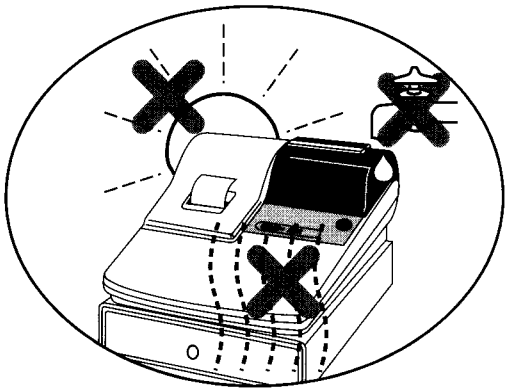
Congratulations upon your selection of a CASIO Electronic Cash Register, which is designed
provide years of reliable operation.
Operation of a CASIO cash register is simple enough to be mastered without special trainir
Everything you need to know is included in this manual, so keep it on hand for reference.
Consult your CASIO dealer if you have any questions about points not specifically covered in th
manuàl.

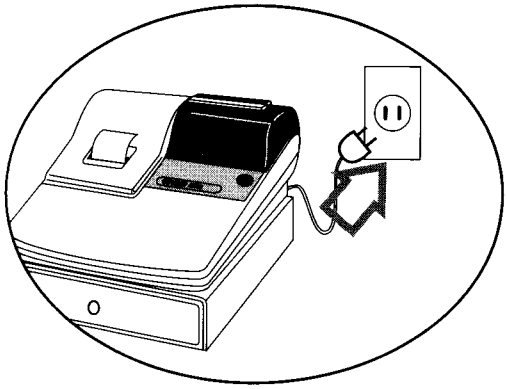
The main plug on this equipment must be used to disconnect mains power.
Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

Important!

Before you do anything, be sure to note the following important precautions!

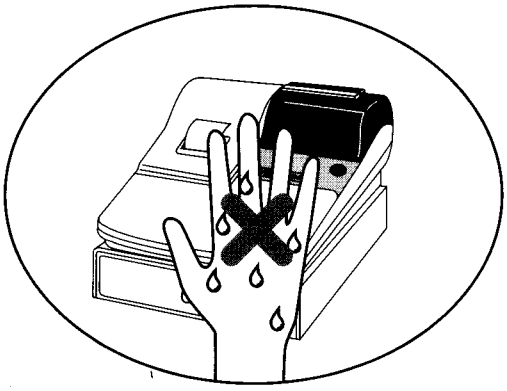
Do not locate the cash register where it will be subjected to direct sunlight, high humidity, splashing with water or other liquids, or high temperature (such as near a heater).

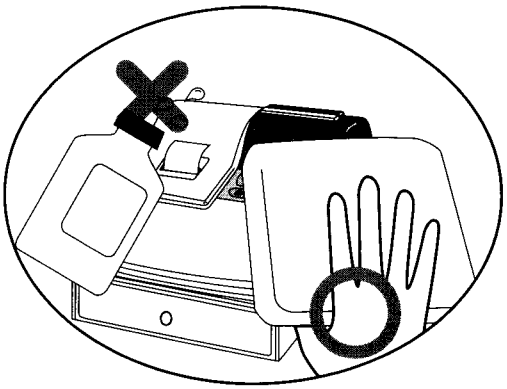




Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.

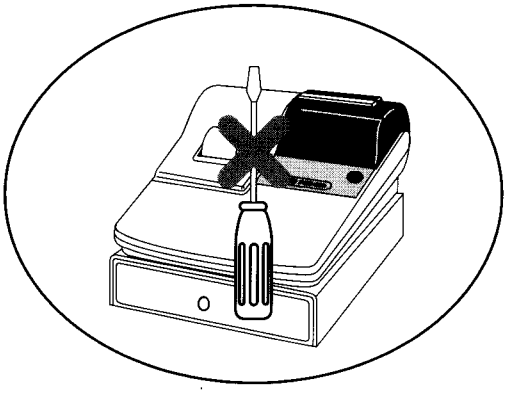
Never operate the cash register while your hands are wet.





Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, or any other volatile agent.

Never try to open the cash register or attempt your own repairs. Take the cash register to your authorized CASIO dealer for repairs.



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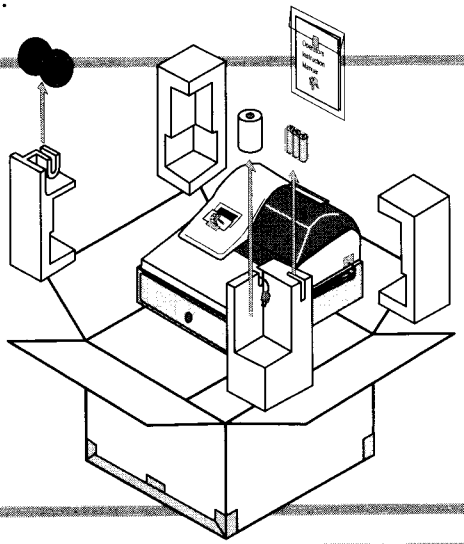
This section outlines how to unpack the cash register and get it ready to operate. You should read this part of the manual even if you have used a cash register before. The following is the basic set up procedure, along with page references where you should look for more details.

1. Remove the cash register from its box.

Make sure that all of the parts and accessories are included.



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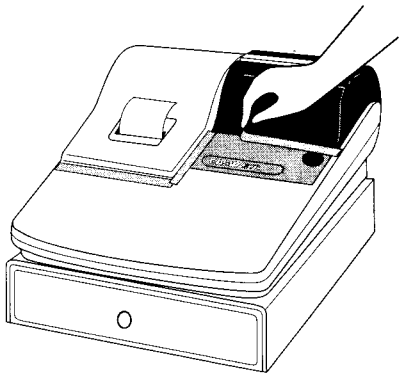
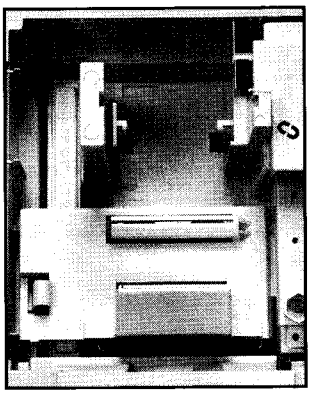
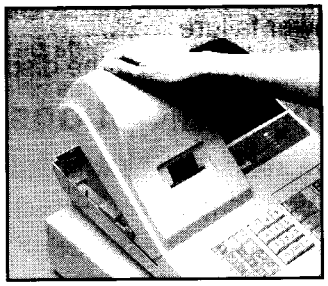


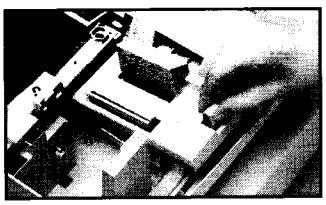
Remove the tape holding parts of the cash register in place.

Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.

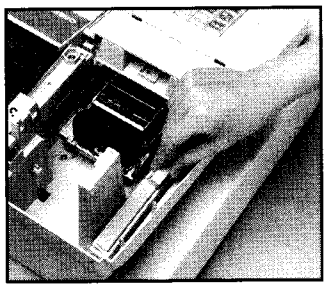
3. Install the three memory backup batteries.







1. Remove the printer cover and inner cover.



2. Remove the battery compartment cover. Pressing down where the cover is marked " " and put it up.

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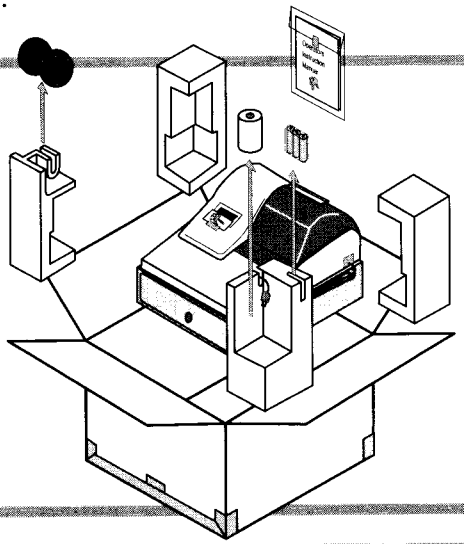
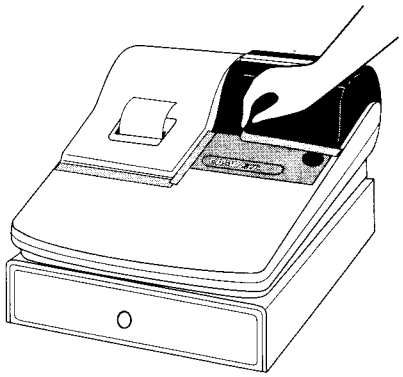


2.



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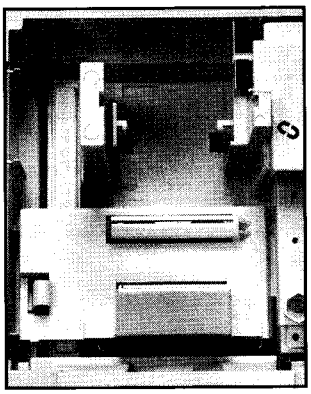
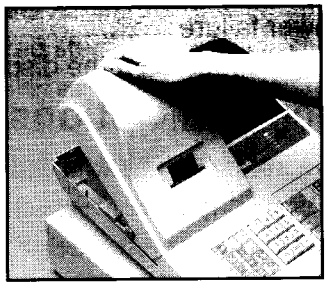
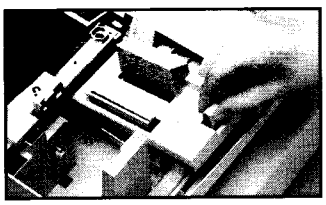
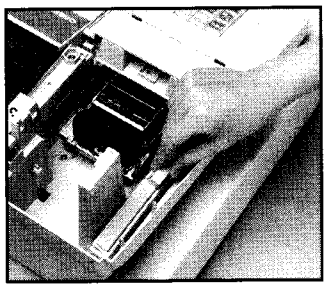
3. Install the three memory backup batteries.





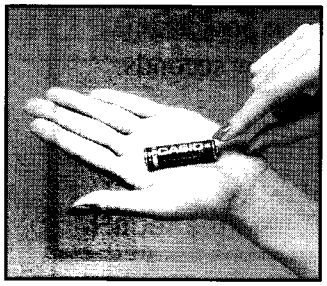


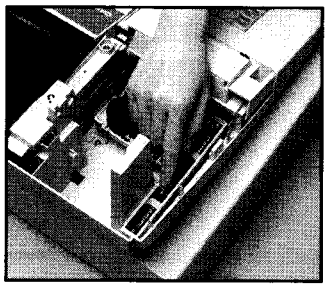
1. Remove the printer cover and inner cover.



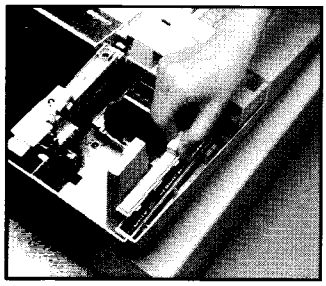
2. Remove the battery compartment cover. Pressing down where the cover is marked " " and put it up.

3. Install the three memory backup batteries (continued).

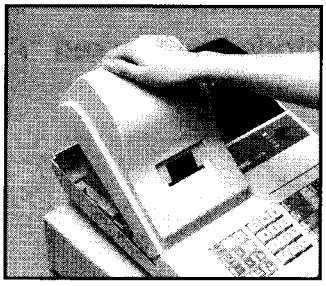




3. Note the (+) and (–) markings in the battery compartment. Load a set of three new SUM-3 (UM-3) batteries so that their positive (+) and negative (–) ends are facing as indicated by the markings.



4. Replace the battery compartment cover.



5. Replace the inner cover and printer cover.

Important!

These batteries protect the information stored in your cash register's memory when there is a power failure or when you unplug the cash register. Be sure to install these batteries.

Precaution!

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register. Note the followings.

- Be sure that the positive (+) and negative (–) ends of the batteries are facing as marked in the battery compartment when you load them into the unit.
- Never mix batteries of different types.
- Never mix old batteries with new ones.
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you do not plan to use the cash register for long periods.
- Replace the batteries at least once every two years, no matter how much the cash register is used during the period.

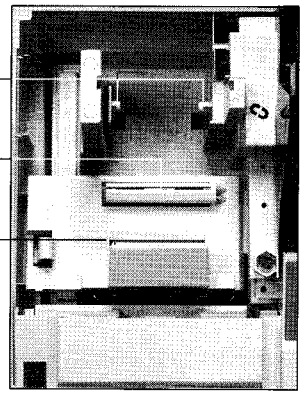
WARNING!

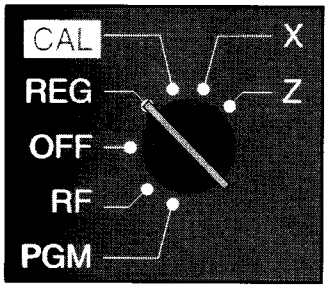
- Never try to recharge the batteries supplied with the unit.
- Do not expose batteries to direct heat, let them become shorted or try to take them apart.

Keep batteries out of the reach of small children. If your child should swallow a battery, consult a physician immediately.

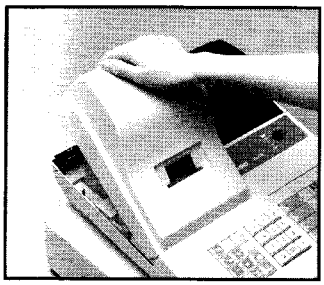
7 Install receipt/journal paper (continued).

To load 1-ply paper for printing of receipts

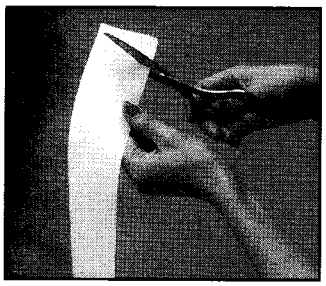




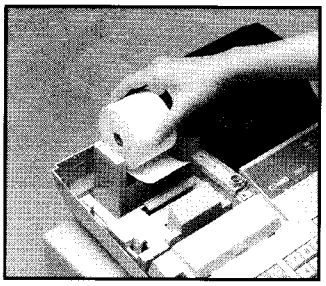
1 Use a mode key to set the mode switch to the REG position.



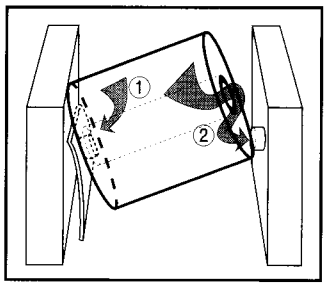
2 Remove the printer cover.



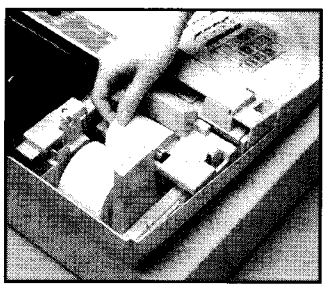
3 Cut off the leading end of the paper so it is even.



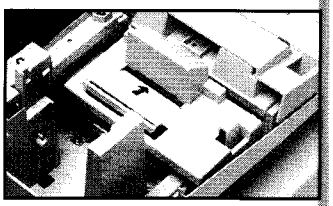
4 Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.

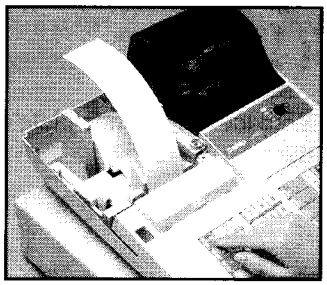


5 Work the paper roll gently between the two spindles so that they slip into the center hubs of the roll.

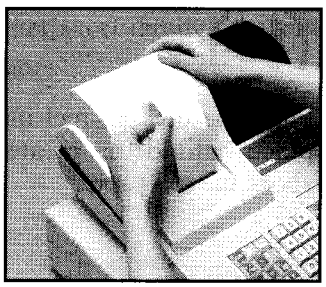


6 Press paper over silver plate.



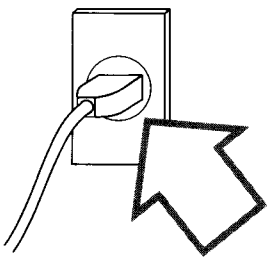


7 Press the FEED key until about 20 cm or 30 cm of paper is fed from the printer.



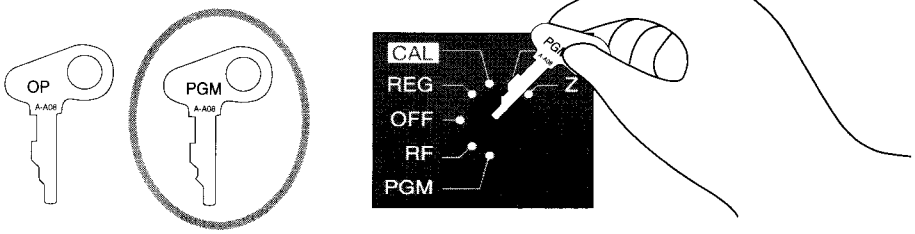
8 Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.

4.



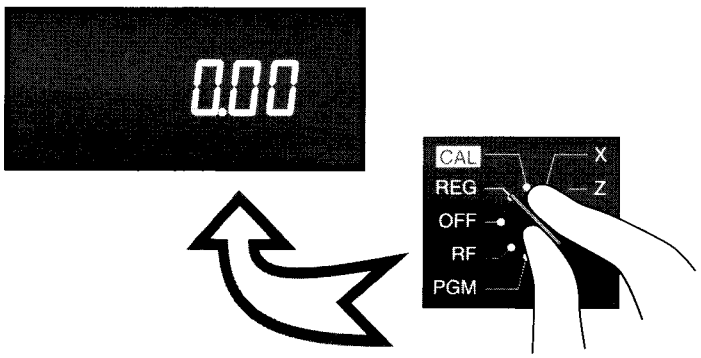
Plug the cash register into a wall outlet.
Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in your area. The printer will operate for a few seconds.

5. Insert the mode key marked "PGM" into the Mode Switch.



6. Turn the mode key to the "REG" position.

The display should change to the following.



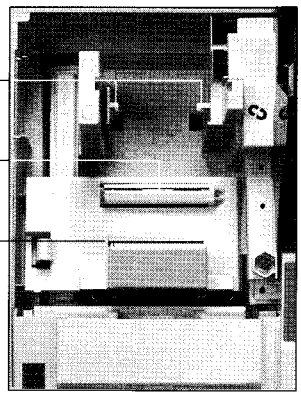
7. Install receipt/journal paper (page 9).

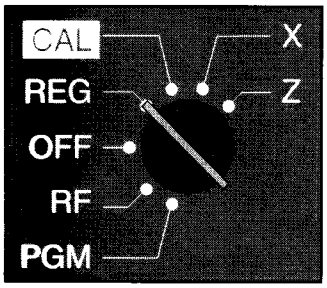
Important!

Never operate the cash register without paper.
It can damage the printer.

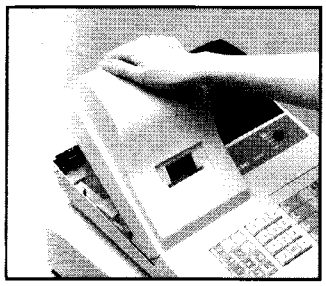
7. Install receipt/journal paper (continued).

To load 1-ply paper for printing of receipts

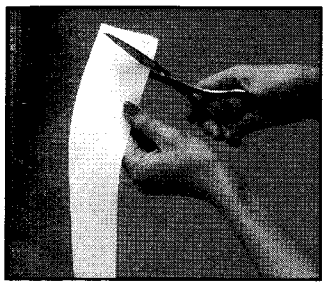




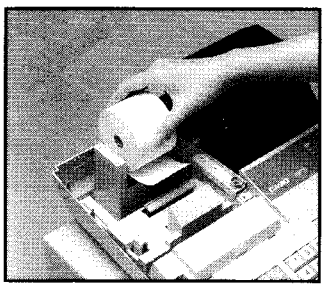
1. Use a mode key to set the mode switch to the REG position.



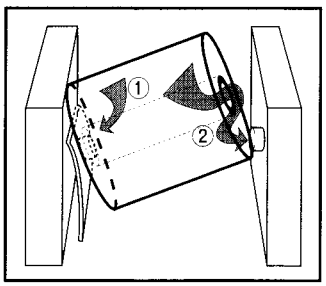
2. Remove the printer cover.



3. Cut off the leading end of the paper so it is even.



4. Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.



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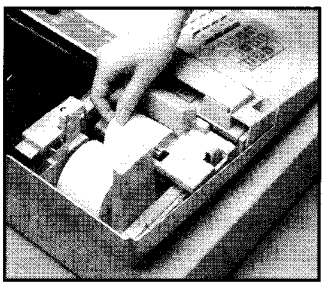
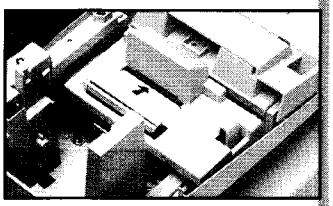
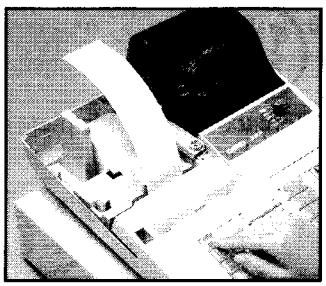
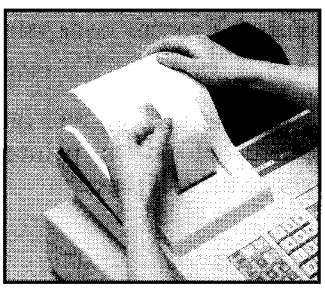


6. Press paper over silver plate.





7. Press the FEED key until about 20 cm or 30 cm of paper is fed from the printer.

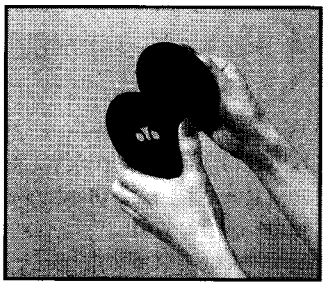


8. Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.

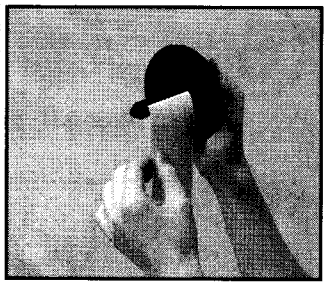
7. Install receipt/journal paper (continued).

To load 1-ply paper for printing of journal

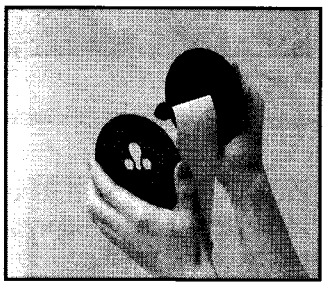
Follow steps ① through ⑦ under "To load 1-ply paper for printing of receipts" on the previous pa



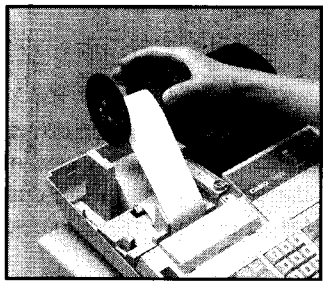
⑧ Remove the flat side plate of the take-up reel.



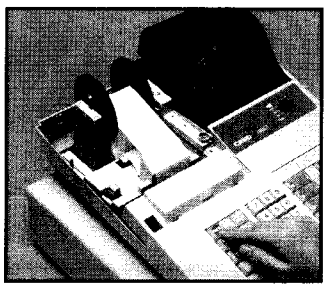
⑨ Slide the leading end of the paper into the groove on the spindle of the take-up reel and wind it onto the reel two or three turns.



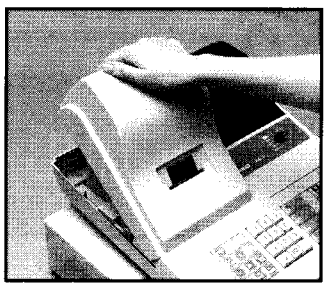
⑩ Replace the flat side plate of the take-up reel.



⑪ Place the take-up reel into place behind the printer, above the roll paper.



⑫ Press the FEED key to take any slack in the paper.

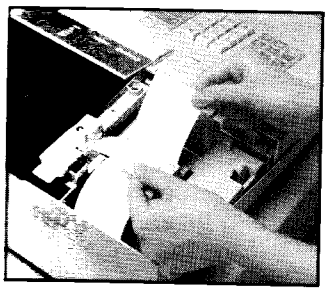


⑬ Replace the printer cover.

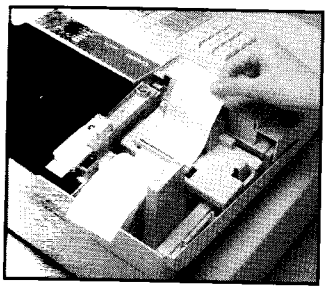
7 Install receipt/journal paper (continued).

To load 2-ply paper for printing of receipts

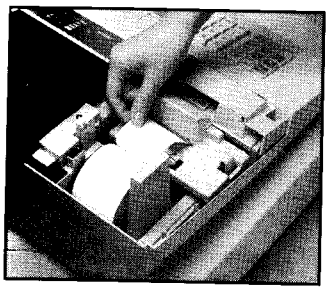
Follow steps ① through ⑤ under "To load 1-ply paper for printing of receipts" on page 9.



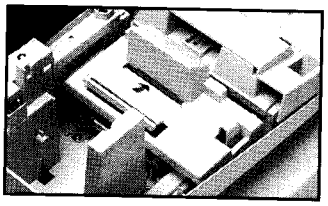
⑥ Separate the two sheets of the paper. Pass the outer sheet under the separator.



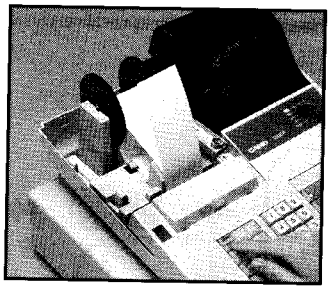
⑦ Pass the inner sheet over the separator.



⑧ Join the ends of the paper again and insert them into the paper inlet.



Pass paper over silver plate.

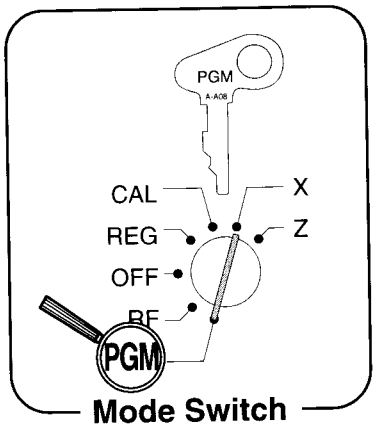


⑨ Press the FEED key until about 20 cm or 30 cm of paper is fed from the printer.

⑩ Insert the leading end of the inner sheet (which will be your journal) into the take-up reel, as described starting from step ② under "To load 1-ply paper for printing of receipts."

⑪ Replace the printer cover, passing the leading end of the outer sheet through the cutter slot. Tear off the excess paper.

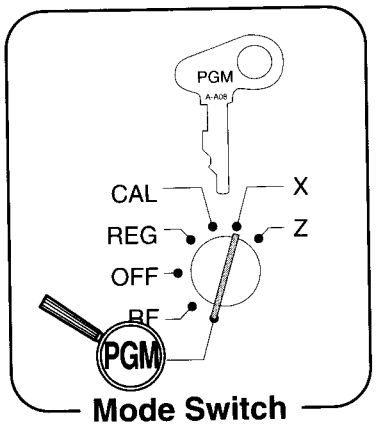
8. Set the date.



➡ 1 SUB TOTAL ➡ Current Date ➡ X/DATE TIME

Example:
December 6, 1996 ➡ 9 6 1 2 0 6

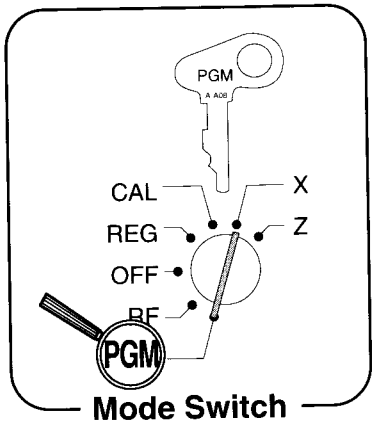
9. Set the time.



➡ 1 SUB TOTAL ➡ Current Time ➡ X/DATE TIME ➡ C CIAC

Example:
09:05 am ➡ 0 9 0 5
09:20 pm ➡ 2 1 2 0

10. Select printouts receipt or journal.



➡ 1 SUB TOTAL ➡ RECEIPT (0)/JOURNAL (1) ➡ CH ➡

Note:
Be sure to select "0" (Receipts) when you use 2-ply paper.

Programming automatic tax calculation

This cash register is capable of automatically calculating up to three different sales taxes. The sales tax calculations are based on rates, so you must tell the cash register the rates, the type of tax (add-in or add-on) , and the type of rounding to apply. Note that special rounding methods (page 14) are also available to meet certain local tax requirements.

Important!

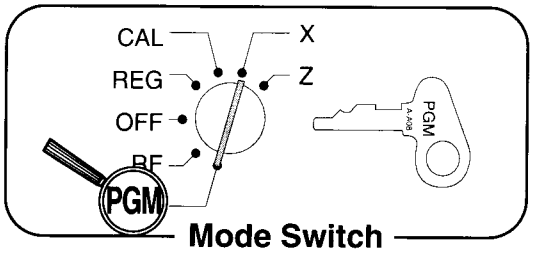
After you program the tax calculations, you also have to individually specify which departments (page 26) and PLUs (page 28) are to be taxed.

Programming tax calculations (without special rounding)

Prepare the following subjects:

1. Tax rates
2. Rounding method for tax calculation (Round up/Round off/Cut off)
3. Tax calculation system (Add-on/Add-in)

Programming procedure



⇩

3 SUB TOTAL

⇩

Assign Tax Table 1
Assigning Tax table 2, enter 0 2 2 5 instead of 0 1 2 5. ➡
Assigning Tax table 3, enter 0 3 2 5 instead of 0 1 2 5.

0 1 2 5 SUB TOTAL

⇩

Enter tax rate.

Example: 15% = Enter 1 5
8.25% = Enter 8 . 2 5 ➡

CA/AMT =/TEND

Tax Rate (Max 2 integer + 4 decimal)

⇩

Enter Rounding method, Tax calculation method ➡

CA/AMT =/TEND

Add-on Tax
Fraction round up : 9 0 0 2
Fraction round off : 5 0 0 2
Fraction cut off : 0 0 0 2

Add-in Tax
Fraction round up : 9 0 0 3
Fraction round off : 5 0 0 3
Fraction cut off : 0 0 0 3

⇩

Terminate the procedure. ➡

SUB TOTAL

11. Tax table programming (continued)

About special rounding...

Besides cut off, round off and round up, you can also specify "special rounding" for subtotals totals. Special rounding converts the right-most digit of an amount to "0" or "5" to comply with th requirements of certain areas.

① Special Rounding 1

Last(right-most) digit		Rounding result	Examples:
0 ~ 2	⇨	0	1.21 → 1.20
3 ~ 7	⇨	5	1.26 → 1.25
8 ~ 9	⇨	10	1.28 → 1.30

② Special Rounding 2

Last(right-most) digit		Rounding result	Examples:
0 ~ 5	⇨	0	1.123 → 1.120
6 ~ 9	⇨	10	1.525 → 1.530

③ Special Rounding 3

Last(right-most) digit		Rounding result	Examples:
00 ~ 24	⇨	0	1.24 → 1.00
25 ~ 74	⇨	50	1.52 → 1.50
75 ~ 99	⇨	100	1.77 → 2.00

④ Special Rounding 3 (Denmark Rounding)

With Denmark rounding, the rounding method applies to subtotals depends on whether you fina the transaction by inputting an amount tendered or not.

- When a finalization is performed without an amount tendered entry

Last (right-most) 2 digits of subtotal		Rounding result
00 ~ 12	⇨	00
13 ~ 37	⇨	25
38 ~ 62	⇨	50
63 ~ 87	⇨	75
88 ~ 99	⇨	100

- When a finalization is performed with an amount tendered entry

Last (right-most) 2 digits of change due		Rounding result
00 ~ 12	⇨	00
13 ~ 37	⇨	25
38 ~ 62	⇨	50
63 ~ 87	⇨	75
88 ~ 99	⇨	100

1 Tax table programming (continued)

- Partial tenders (payments)
  No rounding is performed for the amount of tendered nor for the change amount due when the customer makes a partial tender. When a partial tender results in a remaining balance within the range of 1 through 12, the transaction is finalized as if there was no remaining balance.
- Display and printing of subtotals
  When you press the [SUB TOTAL] key, the unrounded subtotal is printed and shown on the display. If the cash register is also set up to apply an add-on tax rate, the add-on tax amount is also included in the subtotal that is printed and displayed.

Important!

When you are using Denmark rounding, you can use the [CA/AMT/TEND] key to register tendered amount in which the last (right-most) digits are 00, 25, 50 or 75. This restriction does not apply to the [CH] and [CHK] keys.

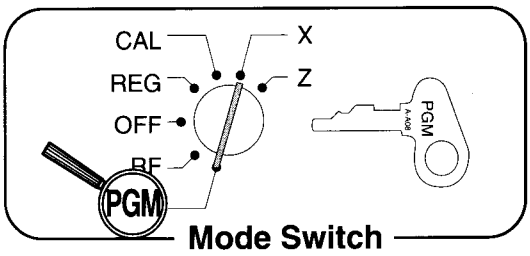
11. Tax table programming (continued)

Programming tax calculations (with special rounding)

Prepare the following subjects:

1. Tax rates
2. Rounding method for tax calculation (Round up/Round off/Cut off)
3. Tax calculation system (No/Add-on/Add-in)
4. Rounding system (Special rounding 1/Special rounding 2/Special rounding 3/Denmark rounding)

Programming procedure



⇩

3 SUB TOTAL

⇩

Assign Tax Table 1

Assigning Tax table 2, enter 0 2 2 5 instead of 0 1 2 5. ➡

Assigning Tax table 3, enter 0 3 2 5 instead of 0 1 2 5.

0 1 2 5 SUB TOTAL

⇩

Enter tax rate.

Example: 15% = Enter 1 5

8.25% = Enter 8 . 2 5

No Tax = Enter 0

➡

CA/AMT TEND

Tax Rate (Max 2 integer + 4 decimal)

⇩

Enter Rounding method, Tax calculation method ➡

CA/AMT TEND

Special rounding 1		Special rounding 3	
Add-on Tax		Add-on Tax	
Fraction round up	: 9 0 1 2	Fraction round up	: 9 0 6 2
Fraction round off	: 5 0 1 2	Fraction round off	: 5 0 6 2
Fraction cut off	: 0 0 1 2	Fraction cut off	: 0 0 6 2
Add-in Tax		Add-in Tax	
Fraction round up	: 9 0 1 3	Fraction round up	: 9 0 6 3
Fraction round off	: 5 0 1 3	Fraction round off	: 5 0 6 3
Fraction cut off	: 0 0 1 3	Fraction cut off	: 0 0 6 3
No tax	: 0 0 1 0	No tax	: 0 0 6 0
Special rounding 2		Denmark rounding	
Add-on Tax		Add-on Tax	
Fraction round up	: 9 0 2 2	Fraction round up	: 9 0 3 2
Fraction round off	: 5 0 2 2	Fraction round off	: 5 0 3 2
Fraction cut off	: 0 0 2 2	Fraction cut off	: 0 0 3 2
Add-in Tax		Add-in Tax	
Fraction round up	: 9 0 2 3	Fraction round up	: 9 0 3 3
Fraction round off	: 5 0 2 3	Fraction round off	: 5 0 3 3
Fraction cut off	: 0 0 2 3	Fraction cut off	: 0 0 3 3
No tax	: 0 0 2 0	No tax	: 0 0 3 0

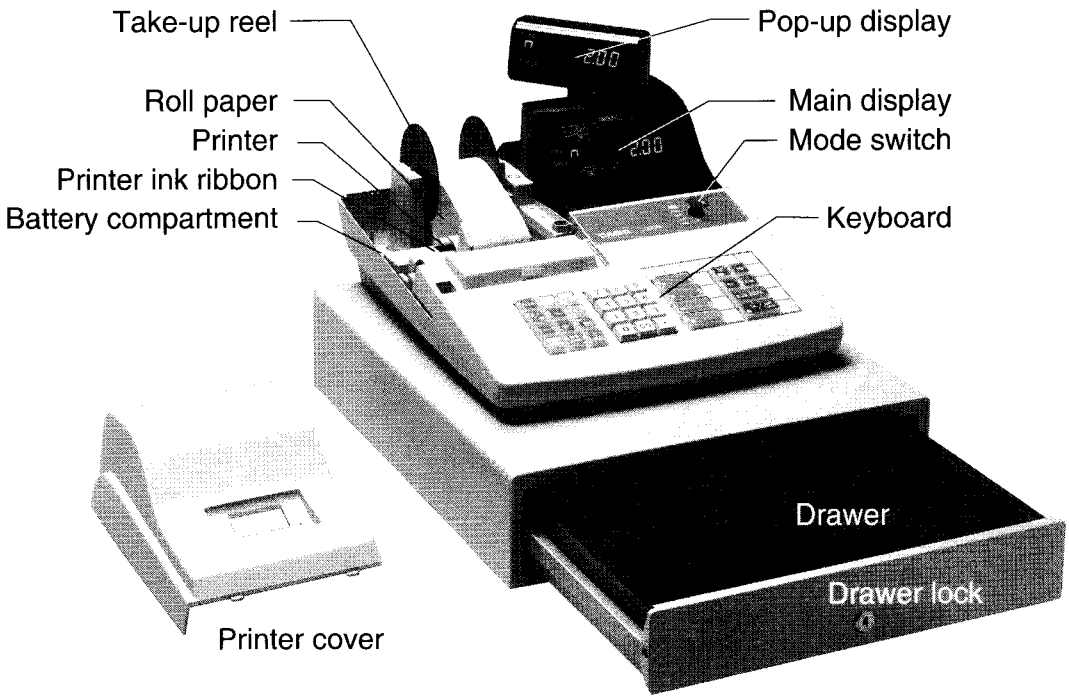
⇩

Terminate the procedure. ➡

SUB TOTAL

This part of the manual introduces you to the cash register and provides a general explanation of its various

General guide



Battery compartment

Holds memory backup batteries (page 6).

Roll paper

You can use the roll paper to print receipts and a journal (page 9, 10).

Printer ink ribbon

Provides ink for printing of registration details on the roll paper (page 69).

Mode key

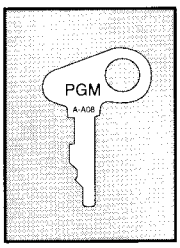
There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP").

Two of each type of key comes packed with cash register. The program key can be used to set the mode switch to any position, while the operator key can select the **REG**, **CAL** and **OFF** positions only.

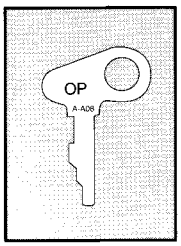
Receipt On/Off key

When you are using the printer for receipt printer, you can use this key (in the **REG** and **RF** modes only) to turn the printer on and off. If a customer asks for a ceipt while receipt printing is turned off by this you can issue a post-finalization receipt (page

Note: Instead of the receipt on/off switch, receipt suance is controlled by this key.



Program key



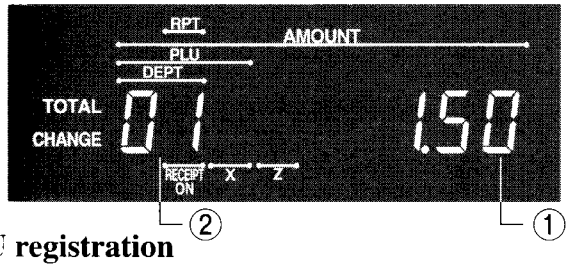
Operator key

Displays

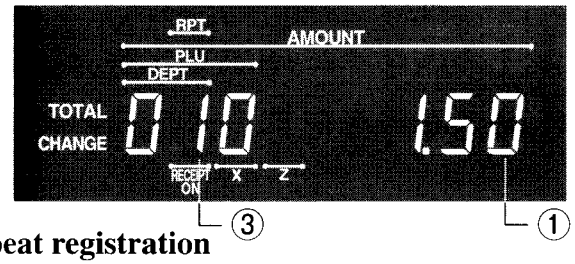
Main Display

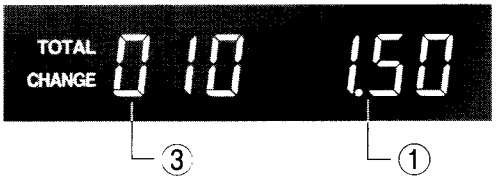
Pop-up Display

Department registration

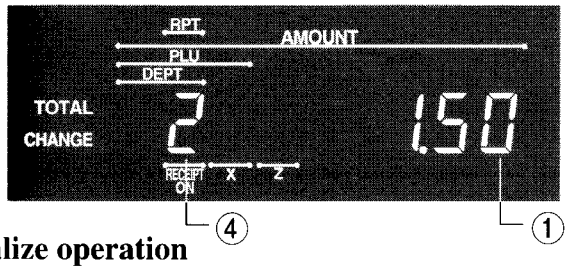


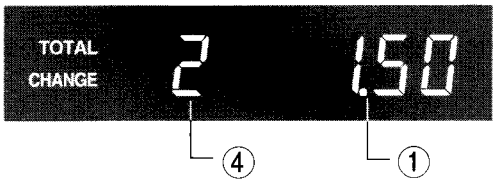
PLU registration



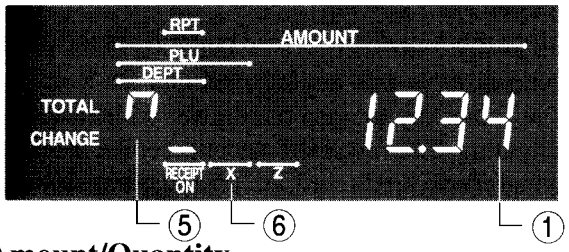


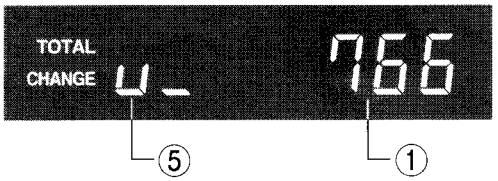
Repeat registration





Totalize operation





① **Amount/Quantity**
This part of the display shows monetary amounts. It also can be used to show the current date and time.

② **Department Number**
When you press a department key to register a unit price, the corresponding department number (01 through 04) appears here.

③ **PLU Number**
When you register a PLU item, the corresponding PLU number appears here.

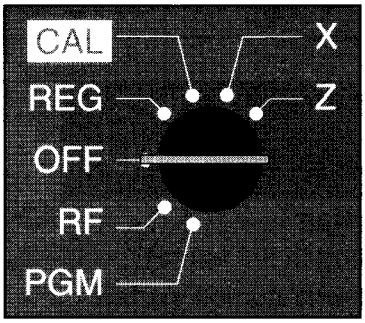
④ **Number of Repeats**
Anytime you perform a repeat registration (page 25), the number of repeats appears here.
Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

⑤ **Total/Change Indicators**
When the TOTAL indicator is lit, the displayed value is monetary total or subtotal amount. When the CHANGE indicator is lit, the displayed value is the change due.

⑥ **Receipt ON/OFF, X, Z indicators (Lowest segment)**
Receipt ON/OFF: When the register issues receipts, this indicator is lit. (REG/RF mode only)
X: Indicates X mode
Z : Indicates Z mode

Mode switch

Use the mode keys to change the position of the mode switch and select the mode you want to use.



Mode Switch	Mode Name	Description
Z	RESET	Reads sales data in memory and clears the dat
X	READ	Reads sales data in memory without clearing the dat
CAL	CALCULATOR	Use this mode for calculator.
REG	REGISTER	Use this mode for normal registration.
OFF	POWER OFF	Cash register power switched off.
RF	REFUND	Use this mode to register refund transactions.
PGM	PROGRAM	Use this mode for cash register programming.

Drawer

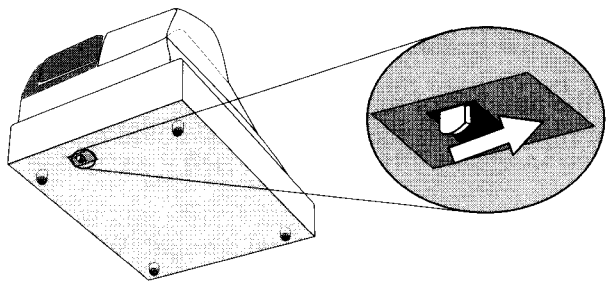
The drawer opens automatically whenever you finalize a registration and whenever you issue a READ RESET report. The drawer will not open if it is locked with the drawer key.

Drawer lock

Use the drawer key to lock and unlock the drawer.

When the cash drawer does not open!

In case of power failure or the machine is in malfunction, the cash drawer does not open automatically. Even in these cases, you can open the cash drawer by pulling drawer release lever (see below).



Important!

The drawer will not open, if it is locked with a drawer lock key.

Register Mode

① **Paper Feed key** [FEED]
Hold this key down to feed paper from the printer.

② **Non-add/No sale key** [#/NS]
Press this key to open the drawer without registe anything. To print reference number (to identify a sonal check, credit card, etc.) during a transaction, p this key after some numerical entries.

③ **Minus key** [−]
Use this key to input values for subtraction.

④ **Post Receipt key** [POST RECEIPT]
Press this key to produce a post-finalization rec

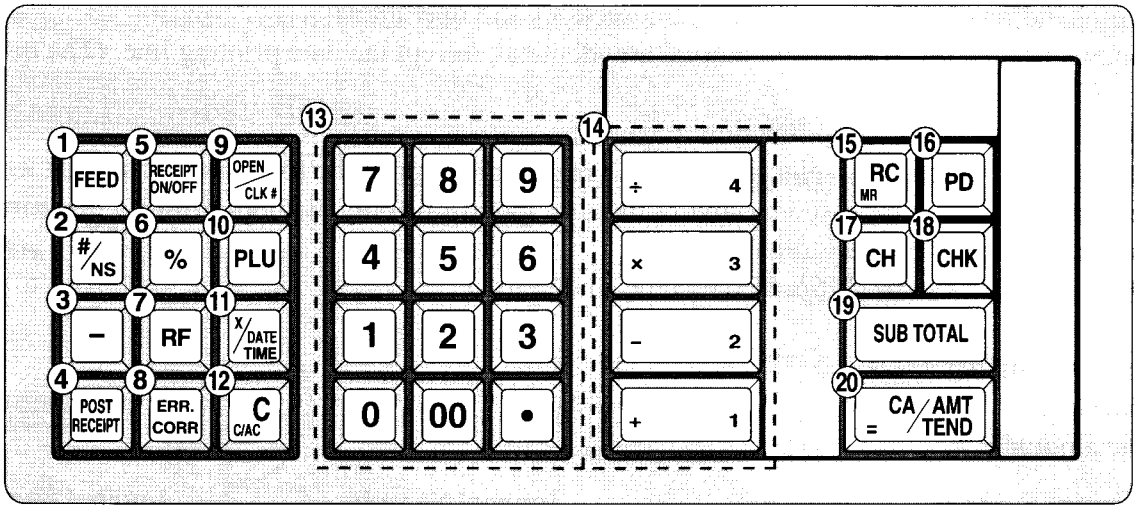
⑤ **Receipt On/Off key** [RECEIPT ON/OFF]
Press this key twice to change the status "receip sue" or "no receipt. " This key is only effective w the "use printer for receipt printer" in the printer trol program is selected. In case of "receipt issue" "RECEIPT ON" indicator is lit.

⑥ **Percent key** [%]
Use this key to register premiums or discounts.

⑦ **Refund key** [RF]
Use this key to input refund amounts and void ce entries.

⑧ **Error Correct key** [ERR CORR]
Use this key to correct registration errors.

Keyboard



⑨ **Open/Clerk number key** [OPEN CLK #]
It is necessary to select one of these functions (Page 46).
Open key: Press this key to temporarily release a limitation on the number of digits that can be input for a unit price.
Clerk number key: Use this key to sign clerk on and off the register.

⑩ **PLU key** [PLU]
Use this key to input PLU numbers.

⑪ **Multiplication/Date/Time Key** [X/DATE TIME]
Use this key to input a quantity for a multiplication operation. Between transactions, this key displays the current time and date.

⑫ **Clear key** [C]
Use this key to clear an entry that has not yet been registered.

⑬ **Ten key pad** [0], [1] ~ [9], [00], [•]
Use these keys to input numbers.

⑭ **Department keys** [+1], [–2], [×3] **and** [÷4]
Use these keys to register items to departments.

⑮ **Received on Account key** [RC MR]
Press this key following a numeric entry to register money received for non-sale transactions.

⑯ **Paid Out key** [PD]
Press this key following a numeric entry to register money paid out from the drawer.

⑰ **Charge key** [CH]
Use this key to register a charge sale.

⑱ **Check key** [CHK]
Use this key to register a check tender.

⑲ **Subtotal key** [SUB TOTAL]
Press this key to display and print the current subtotal (includes add-on tax) amount.

⑳ **Cash Amount Tendered key** [CA/AMT TEND]
Press this key to register a cash sale.

Calculator Mode

② **Drawer open key** [#/NS]

⑥ **Percent key** [%]

⑫ **Clear key** [C]

⑬ **Ten key pad** [0], [1] ~ [9], [00], [•]

⑭ **Arithmetic operation keys** [+1], [–2], [×3] **and** [÷4]

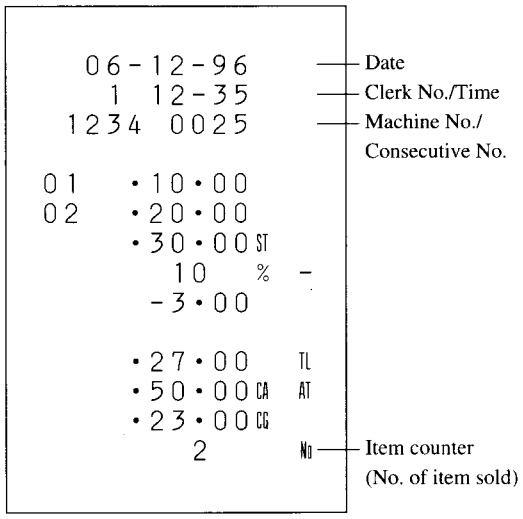
⑮ **Memory recall key** [RC MR]

⑳ **Equal key** [CA/AMT TEND]

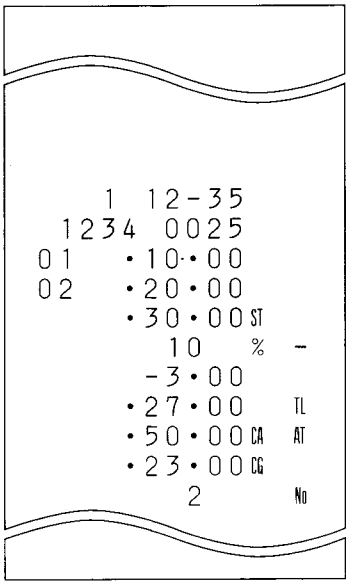
How to read the printouts

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are identical, except the date printing line. (The date line is printed on receipts and reports.)
- You can choose the journal skip function (page 44).
  If the journal skip function is selected, the cash register will print the total amount of each transaction and the details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.
- The following items can be skipped on receipts and journal.
  - Time
  - Consecutive number
  - Taxable status
  - Taxable amount

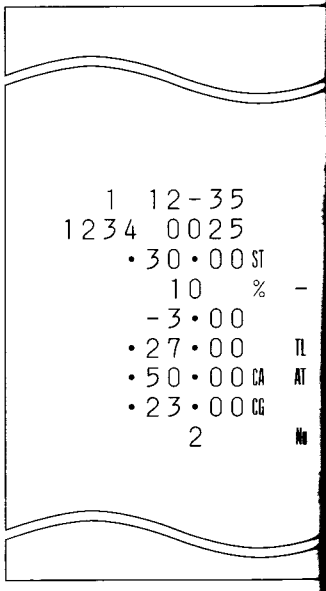
Receipt Sample



Journal Sample (Item lines Included)



Journal Sample (Item lines Skipped)

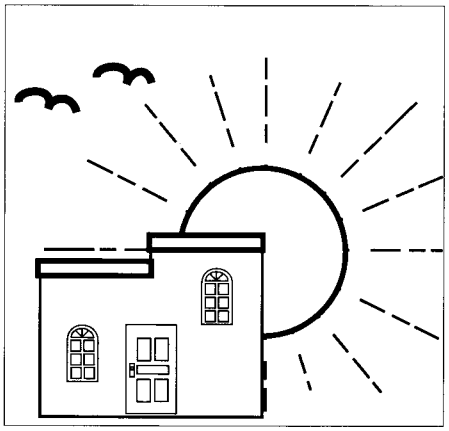


In the operation examples contained in this manual, the print samples are what would be produced if the paper is being used for receipts. They are not actual size. Actual receipts are 58 mm wide. Also, all sample receipts and journals are printout images.

How to use your cash register

The following describes the general procedure you should use in order to get the most out of your cash register.

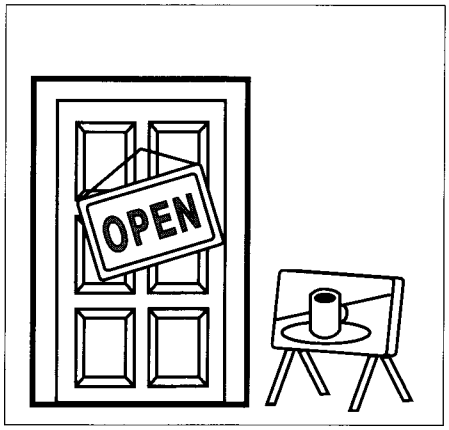
BEFORE business hours



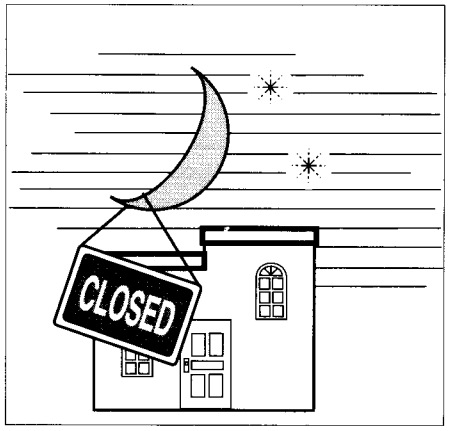
- Check to make sure that the cash register is plugged in securely. Page 8
- Check to make sure there is enough paper left on the roll. Page 9
- Read the financial totals to confirm that they are all zero. Page 59
- Check the date and time. Page 24

DURING business hours

- Register transactions. Page 25
- Periodically read totals. Page 58



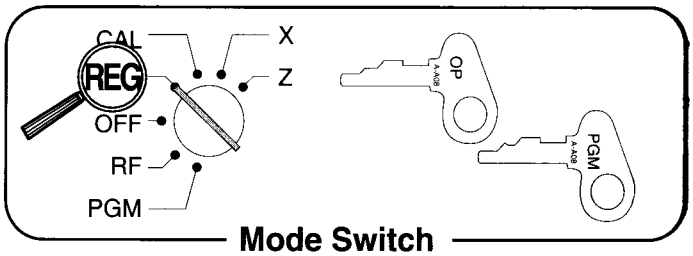
AFTER business hours



- Reset the daily totals. Page 41
- Remove the journal. Page 70
- Empty the cash drawer and leave it open. Page 20
- Take the cash and journal to the office.

Displaying the time and date

You can show the time or date on the display of the cash register whenever there is no registration being made.



To display and clear the time

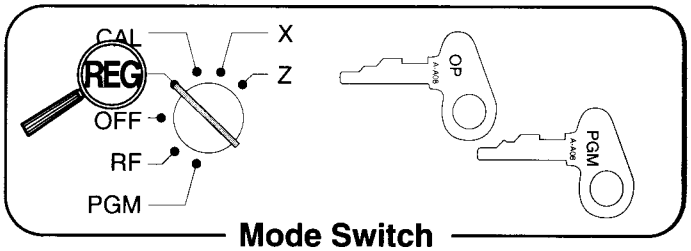
OPERATION	DISPLAY	
[X/DATE/TIME] Time appears on the display	08-30 Hour Minute	(24-hour system)
[C/AC] Clears the time display	0.00 Receipt on indicator	

To display and clear the date

OPERATION	DISPLAY	
[X/DATE/TIME]	08-31	(Time displayed f
[X/DATE/TIME] Date appears on the display	06-12-96 Day Month Year	
[C/AC] Clears the date display	0.00 Receipt on indicator	

Preparing coins for change

You can use the following procedure to open the drawer without registering an item. This operation must be performed out of a sale.
(You can use the [RC/VR] key instead of the [#/NS] key, see page 37.)



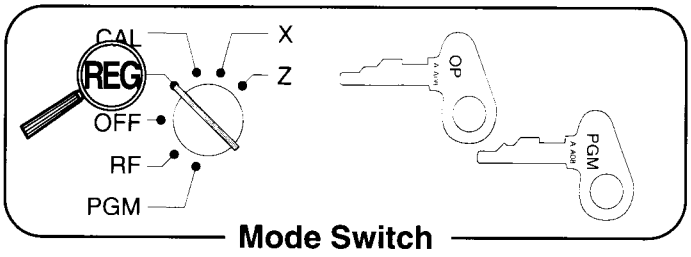
Opening the drawer without a sale

OPERATION	RECEIPT
[#/NS]	06-12-96 09-00 0001 . . . . . #

Preparing and using department keys

Registering department keys

The following examples show how you can use the department keys in various types of registrations.



Mode Switch

Single Item Sale

Item	Unit Price	$1.00
	Quantity	1
	Dept.	1
Payment	Cash	$1.00

OPERATION

1 00
Unit price

+1
Department

CA/AMT =/TEND

RECEIPT

```
06-12-96
09-05
0002
01      •1•00
        •1•00CA
```

Date
Time
Consecutive No.
Department No./ Unit price

Repeat

Item	Unit Price	$1.50
	Quantity	3
	Dept.	1
Payment	Cash	$10.00

OPERATION

1 5 0 +1
+1
+1
SUB TOTAL
1 0 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
09-10
0003
01      •1•00
01      •1•00
01      •1•00
        •3•00   TL
       •10•00CA AT
        •7•00CG
```

Repeat
Repeat

Multiplication

Item	Unit Price	$1.00
	Quantity	12.5
	Dept.	1
Payment	Cash	$20.00

OPERATION

1 2 • 5 X/DATE/TIME
Quantity
(4-digit integer/2-digit decimal)
1 00 +1
SUB TOTAL
2 0 00 CA/AMT =/TEND

RECEIPT

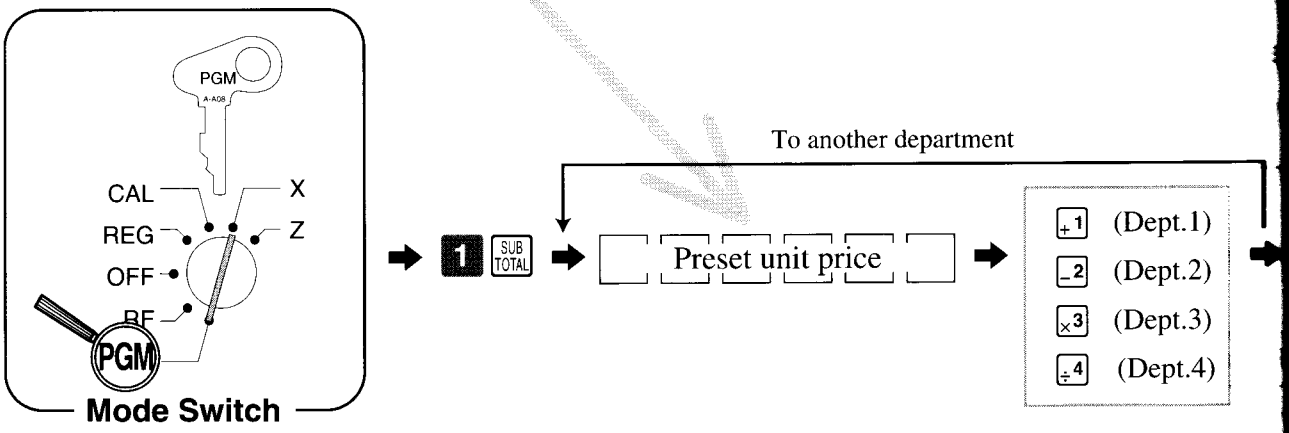
```
06-12-96
09-20
0004
        12•5  X
         •1•00   @
01      •12•50
        •12•50   TL
        •20•00CA AT
         •7•50CG
```

Quantity
Unit Price

Programming department keys

To program a unit price for each department

Example
$5.00 ⇨ 5 0 0
$10.25 ⇨ 1 0 2 5
$1,234.56 ⇨ 1 2 3 4 5 6

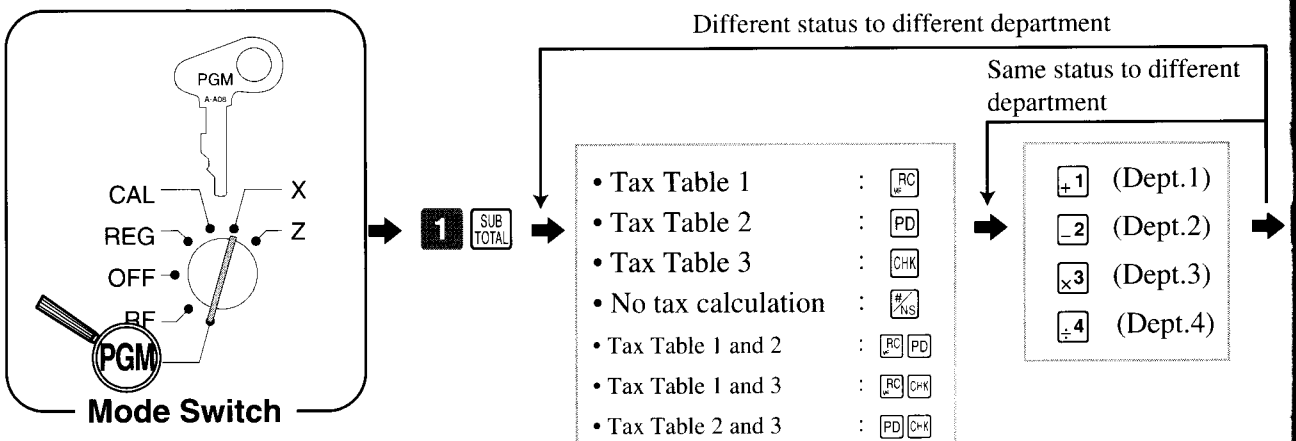


To program the tax calculation status for each department

Tax calculation status

This specification defines which tax table should be used for automatic tax calculation.
See page 13 for information on setting up the tax tables.

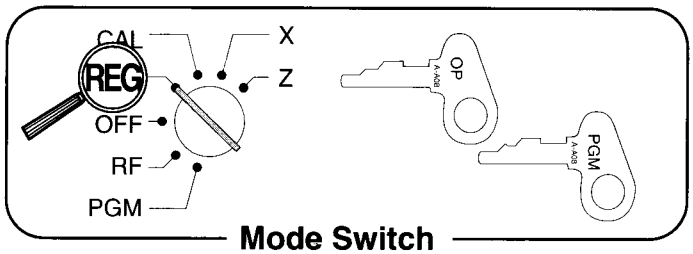
Programming procedure



Note: Tax symbols

Ⅰ: Taxable 1
Ⅱ: Taxable 2
Ⅲ: Taxable 3
∗: All taxable

Registering department keys by programming data



Mode Switch

Preset price

Item	Unit Price	($1.00)$_{preset}$
	Quantity	1
	Dept.	2
Payment	Cash	$1.00

OPERATION

2 → CA/AMT/=/TEND

RECEIPT

```
06-12-96
09-30
0005
02      •1•00
        •1•00 CA
```

Date
Time
Consecutive No.
Department No./ Unit price

Preset tax status (add-on tax)

Item 1	Unit Price	($2.00)$_{preset}$
	Quantity	5
	Dept.	3
	Taxable	(1)$_{preset}$
Item 2	Unit Price	($2.00)$_{preset}$
	Quantity	1
	Dept.	4
	Taxable	(2)$_{preset}$
Payment	Cash	$20.00

OPERATION

5 → X/DATE/TIME
×3
÷4
SUB TOTAL
CA/AMT/=/TEND

RECEIPT

```
06-12-96
09-40
0006
          5 X
        •2•00    @
03    •10•00 I
04      •2•00
      •10•00 I   TA
       •0•40 I   TX
      •12•40     TL
      •20•00 CA  AT
       •7•60 CG
```

Tax status
Taxable amount 1
Tax 1

Preset tax status (add-in tax)

Item 1	Unit Price	($2.00)$_{preset}$
	Quantity	5
	Dept.	3
	Taxable	(1)$_{preset}$
Item 2	Unit Price	($2.00)$_{preset}$
	Quantity	1
	Dept.	4
	Taxable	(2)$_{preset}$
Payment	Cash	$20.00

OPERATION

5 → X/DATE/TIME
×3
÷4
SUB TOTAL
2 0 00 → CA/AMT/=/TEND

RECEIPT

```
06-12-96
09-50
0007
          5 X
        •2•00    @
03    •10•00 I
04      •2•00 II
      •12•50     TL
      •20•00 CA  AT
       •8•00 CG
```

Tax status
Tax status

Preparing and using PLUs

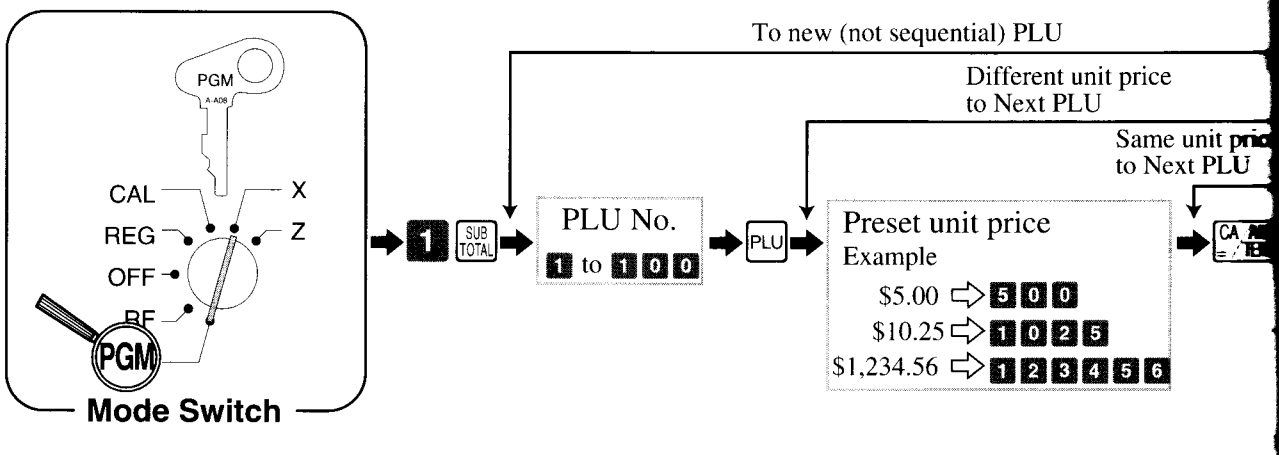
This section describes how to prepare and use PLUs.

CAUTION:

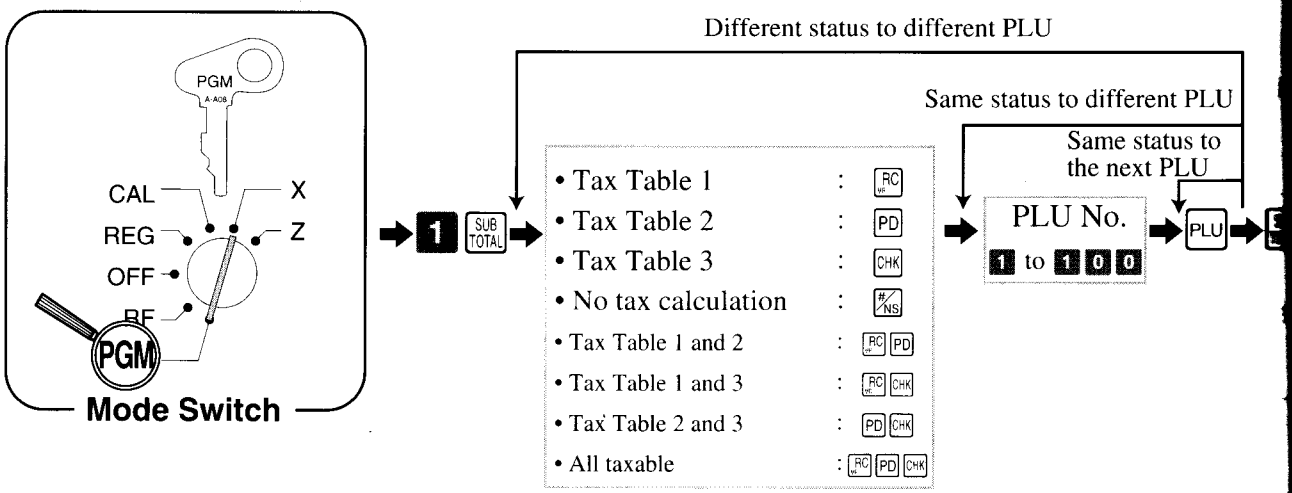
Before you use PLUs, you should first tell the cash register how it should handle the reg

Programming PLUs

To program a unit price for each PLU

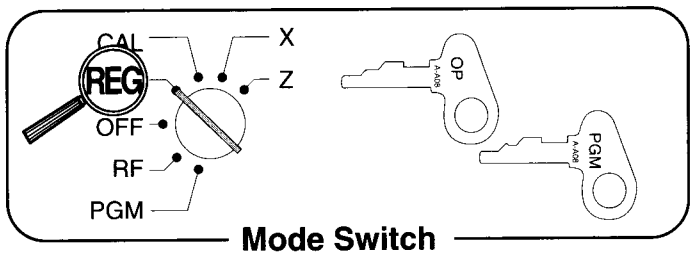


To program tax calculation status for each PLU



Registering PLUs

The following examples show how you can use PLUs in various types of registrations.



PLU single-item sale

Item	Unit Price	$(\$2.50)_{preset}$
	Quantity	1
	PLU	14
Payment	Cash	$3.00

OPERATION

1 4 PLU
PLU code

PLU

SUB TOTAL

3 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
    10-00
     0008

014    •2•50

       •2•50    TL
       •3•00 CA AT
       •0•50 CG
```

PLU No./Unit price

PLU repeat

Item	Unit Price	$(\$2.50)_{preset}$
	Quantity	3
	PLU	14
Payment	Cash	$10.00

OPERATION

1 4 PLU
PLU
PLU
SUB TOTAL
1 0 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
    10-10
     0009

014    •2•50
014    •2•50
014    •2•50

       •7•50    TL
      •10•00 CA AT
       •2•50 CG
```

PLU multiplication

Item	Unit Price	$(\$1.20)_{preset}$
	Quantity	15
	PLU	2
Payment	Cash	$20.00

OPERATION

1 5 X/DATE TIME
Quantity
(4-digit integer/2-digit decimal)

2 PLU

SUB TOTAL

2 0 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
    10-20
     0010

      15 X
     •1•20    @
002  •18•00

      •18•00    TL
      •20•00 CA AT
       •2•00 CG
```

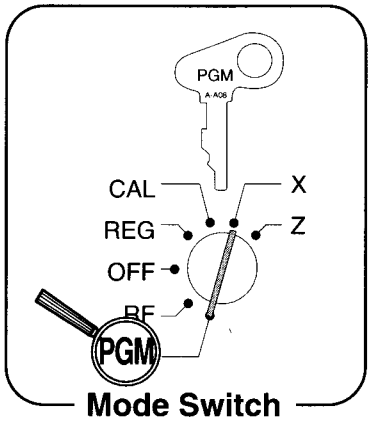
Preparing and using discounts

This section describes how to prepare and register discount.

Programming discounts

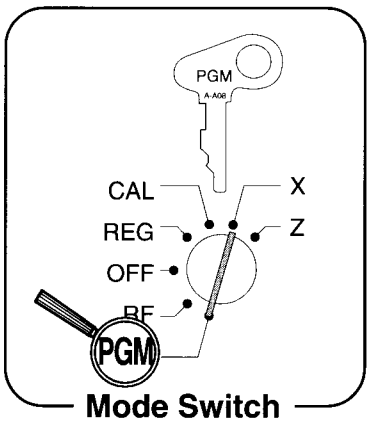
You can use the [%] key to register discounts (percentage decreases). The more detailed information the discount (and premium) are described in the "Registering discounts and premiums" section in the venient Operations and Setups" on page 53.

To program a rate to the [%] key



→ 1 [SUB TOTAL] → Preset rate → [%] → [SUB TOTAL]

Example
10 % ⇨ 1 0
5.5% ⇨ 5 . 5 0
12.34% ⇨ 1 2 . 3 4



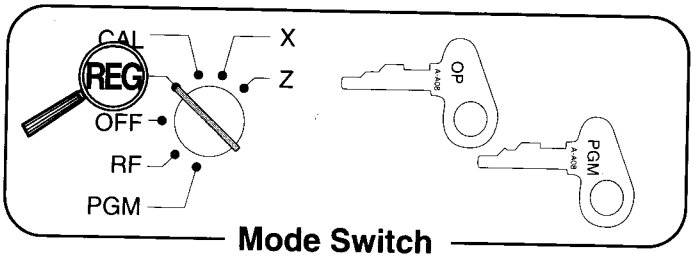
→ 1 [SUB TOTAL] →

- Tax Table 1 : [RC]
- Tax Table 2 : [PD]
- Tax Table 3 : [CHK]
- No tax calculation : [#/NS]
- All taxable : [RC] [PD] [CHK]
- Tax Table 1 and 2 : [RC] [PD]
- Tax Table 1 and 3 : [RC] [CHK]
- Tax Table 2 and 3 : [PD] [CHK]

→ [%] → [SUB TOTAL]

Registering discounts

The following example shows how you can use the [%] key in various types of registration.



Discount for items and subtotals

Item 1	Unit Price	$5.00
	Quantity	1
	Dept.	1
Item 2	Unit Price	($10.00)$_{preset}$
	Quantity	1
	PLU	16
Discount	Rate	(5%)$_{preset}$
Subtotal Discount	Rate	3.5%
Payment	Cash	$15.00

OPERATION

5 00 [+1]
1 6 [PLU]
[%]

Applies the preset discount rate to the last item registered.

[SUB TOTAL]

3 . 5 [%]

The input value takes priority of the preset value.

[SUB TOTAL]
1 5 00 [CA/AMT =/TEND]

RECEIPT

```
06-12-96
    10-30
     0011

01     •5•00
016  •10•00
          5   %  -
       -0•50
      •14•50 ST
       3•5   %  -
       -0•51

      •13•99   TL
      •15•00 CA AT
       •1•01 CG
```

- You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the [%] key

- Whenever you perform a discount operation on the last item registered, the tax calculation for discount amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the [%] key.

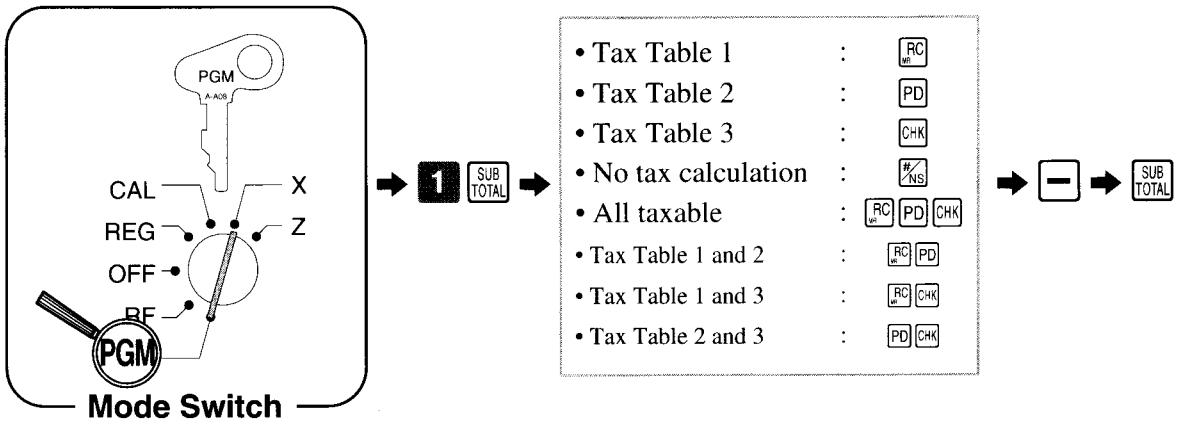
Preparing and using reductions

This section describes how to prepare and register reductions.

Programming for reductions

You can use the [−] key to reduce single items or subtotal amounts. The following procedure lets you program the tax calculation method for the [−] key.

To program tax calculation status

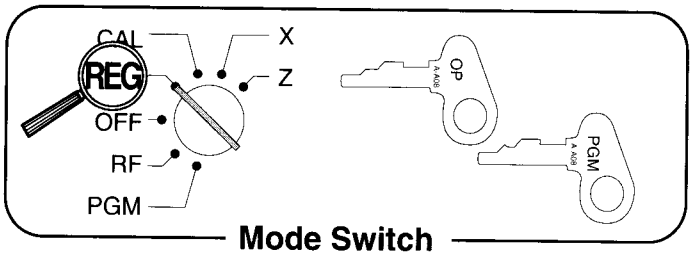


Taxable status of the [−] key

The tax calculation for the reduction amount is performed in accordance with the tax status programmed for the [−] key, regardless of whether the reduction is performed on the last item registered or a subtotal amount

Registering reductions

The following examples show how you can use the ⊖ key in various types of registration.



Mode Switch

Reduction for items

Item 1	Unit Price	$5.00
	Quantity	1
	Dept.	1
Reduction	Amount	$0.25
Item 2	Unit Price	($6.00)$_{preset}$
	Quantity	1
	PLU	45
Reduction	Amount	$0.50
Payment	Cash	$11.00

OPERATION

5 00 +1

2 5 −

Reduces the last amount registered by the value input.

4 5 PLU

5 0 −

SUB TOTAL

1 1 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
    10-40
     0012

01      •5•00
       -0•25
045     •6•00
       -0•50

      •10•25   TL
      •11•00 CA AT
       •0•75 CG
```

- You can manually input reduction values up to 7 digits long.
- The amount you input for the reduction is neither subtracted from the department nor PLU totalizer.

Reduction for subtotal

Item 1	Unit Price	$3.00
	Quantity	1
	Dept.	1
Item 2	Unit Price	$4.00
	Quantity	1
	Dept.	2
Subtotal Reduction	Amount	$0.75
Payment	Cash	$7.00

OPERATION

3 00 +1

4 00 −2

SUB TOTAL

7 5 −

Reduces the subtotal by the value input here.

SUB TOTAL

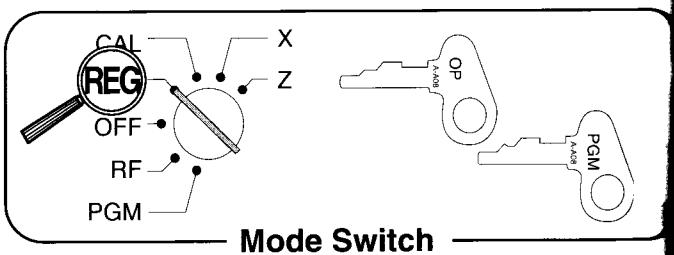
7 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
    10-50
     0013

01      •3•00
02      •4•00
       -0•75

      •6•25   TL
      •7•00 CA AT
       •0•75 CG
```

Registering charge and check payments

The following examples show how to register charges and payments by check.



Check

Item 1	Unit Price	$10.00
	Quantity	1
	Dept.	1
Payment	Check	$10.00

OPERATION

1 0 00 +1
SUB TOTAL
1 0 00 CHK

RECEIPT

```
06-12-96
   11-10
    0015

01    ·10·00

      ·10·00   TL
      ·10·00   CK
       ·0·00 CG
```

Charge

Item 1	Unit Price	$15.00
	Quantity	1
	Dept.	4
Reference	Number	123456
Payment	Charge	$15.00

OPERATION

1 5 00 ÷4
SUB TOTAL
1 2 3 4 5 6 #/NS
CH

RECEIPT

```
06-12-96
   11-20
    0016

04    ·15·00
      123456   #  ← Reference No.

      ·15·00 CH
```

Mixed tender(cash, charge and check)

Item 1	Unit Price	$55.00
	Quantity	1
	Dept.	4
Payment	Check	$30.00
	Cash	$5.00
	Charge	$20.00

OPERATION

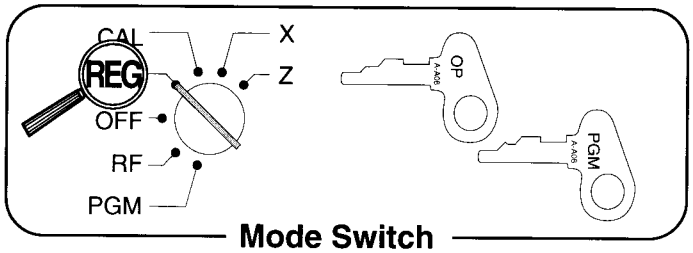
5 5 00 ÷4
SUB TOTAL
3 0 00 CHK
5 00 CA/AMT TEND
CH

RECEIPT

```
06-12-96
   11-30
    0017

04    ·55·00

      ·55·00   TL
      ·30·00   CK
       ·5·00 CA
      ·20·00 CH
```

Registering returned goods in the REG mode

The following examples show how to use the [RF] key in the REG mode to register goods returned by customers.



Mode Switch

Item 1	Unit Price	$2.35
	Quantity	1
	Dept.	1
Item 2	Unit Price	$2.00
	Quantity	1
	Dept.	2
Item 3	Unit Price	$(\$1.20)_{preset}$
	Quantity	1
	PLU	1
Item 1 Returned	Unit Price	$2.35
	Quantity	1
	Dept.	1
Item 3 Returned	Unit Price	$(\$1.20)_{preset}$
	Quantity	1
	PLU	1
Payment	Cash	$2.00

OPERATION **RECEIPT**

[2] [3] [5] [+1]

[2] [00] [-2]

[1] [PLU]

[RF]

[2] [3] [5] [+1]

Pressing [RF] specifies that the next item registered is a return.

[RF]

[1] [PLU]

You have to press [RF] before registering each returned item.

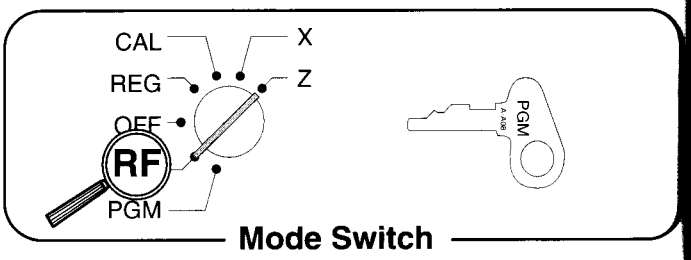
[SUB TOTAL]

[CA/AMT =/TEND]

```
      06-12-96
         11-40
          0018

01       •2•35
02       •2•00
001      •1•20
••••••••••       RF
01       -2•35
••••••••••       RF
001      -1•20

         •2•00 CA
```

Registering returned goods in the RF mode

The following examples show how to use the RF mode to register goods returned by customers.



Normal refund transaction

Returned Item 1	Unit Price	$1.50
	Quantity	2
	Dept.	1
Returned Item 2	Unit Price	($1.20)$_{preset}$
	Quantity	6
	PLU	2
Payment	Cash	$10.20

OPERATION

1 5 0 +1
+1
6 X/DATE TIME
2 PLU
SUB TOTAL
CA/AMT =/TEND

RECEIPT

```
06-12-96
11-50
0018    RF

01     •1•50
01     •1•50
         6 X
       •1•20   @
002    •7•20

     •10•20 CA
```

Reduction of amounts paid on refund

Returned Item 1	Unit Price	$4.00
	Quantity	1
	Dept.	3
Reduction	Amount	$0.15
Returned Item 2	Unit Price	($1.20)$_{preset}$
	Quantity	1
	PLU	2
Discount	Rate	(5%)$_{preset}$
Payment	Cash	$4.99

OPERATION

4 00 ×3
1 5 −
2 PLU
%
SUB TOTAL
CA/AMT =/TEND

RECEIPT

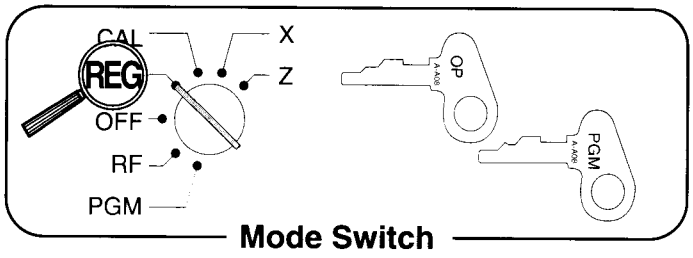
```
06-12-96
12-00
0019    RF

03     •4•00
       -0•15
002    •1•20
         5   %  -
       -0•06

       •4•99 CA
```

Important!

To avoid miss registrations in the RF mode, return the mode switch to the former position immediately.

Registering money received on account

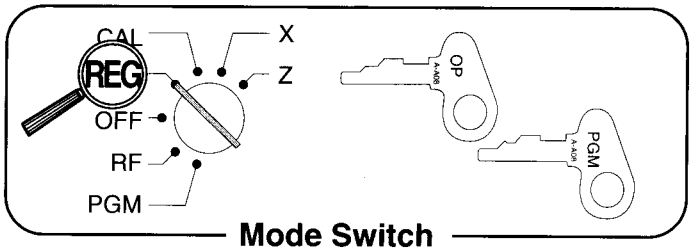
The following example shows how to register money received on account. This registration must be performed out of a sale.



	OPERATION	RECEIPT
Received Amount $700.00	7 00 00 RC (MR) Amount can be up to 8 digits.	06-12-96 12-10 0021 •700•00 RC

Registering money paid out

The following example shows how to register money paid out from the register. This registration must be performed out of a sale.

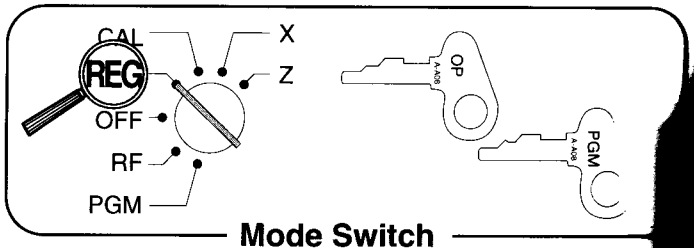


	OPERATION	RECEIPT
Paid Out Amount $1.50	1 5 0 PD Amount can be up to 8 digits.	06-12-96 12-15 0022 •1•50 PD

Making corrections in a registration

There are three techniques you can use to make corrections in a registration.

- To correct an item that you have input but not yet registered.
- To correct the last item you have input and registered.



To correct an item you have input but not yet registered

OPERATION **RECEIPT**

2 00 C — Correction of unit price
1 00 +1

1 2 X/DATE TIME — Correction of quantity
C
1 1 X/DATE TIME
2 00 -2

2 — Correction of PLU No.
C
3 PLU

SUB TOTAL

1 0 00 — Correction of partial tender amount
C
1 5 00 CA/AMT TEND

CH

```
      06-12-96
         12-20
          0023

01      •1•00
          11  X
        •2•00    @
02    •22•00
003    •1•30

       •24•30   TL
       •15•00 CA AT
        •9•30 CH
```

To correct an item you have input and registered

OPERATION

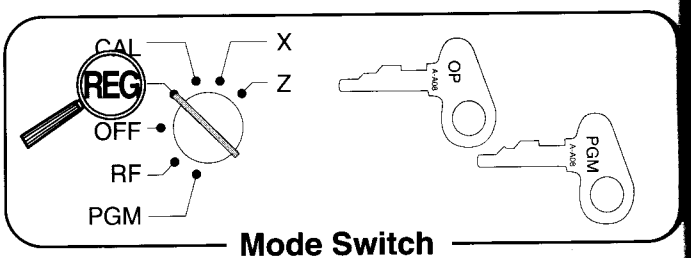
1 00 [+1]
2 00 [-2]
[-2] [ERR CORR.] — Clearance
2 [PLU] [ERR CORR.] 5 [PLU] — Correction of PLU No.
8 [X/DATE TIME] 4 00 [÷4] [ERR CORR.] 6 [X/DATE TIME] 4 00 [÷4] [SUB TOTAL] — Correction of quantity
5 0 [%] [ERR CORR.] [SUB TOTAL] 5 [%] — Correction of discount
[RF] 2 00 [-2] [ERR CORR.] — Correction of refund item
[RF] 2 2 0 [-2] [SUB TOTAL]
2 0 00 [CA/AMT TEND] [ERR CORR.] 1 5 00 [CA/AMT TEND] — Correction of partial tender
[CH]

RECEIPT

```
      06-12-96
         12-30
          0024

01       •1•00
02       •2•00
02       •2•00
        -2•00     VD
002      •1•20
        -1•20     VD
005      •1•50
           8  X
         •4•00    @
04      •32•00
        -32•00    VD
           6  X
         •4•00    @
04      •24•00
        •28•50 ST
          50    %  -
        -14•25
        •14•25    VD
        •28•50 ST
           5    %  -
        -1•43
••••••••••        RF
02       -2•00
         •2•00    VD
••••••••••        RF
02       -2•20

        •24•87    TL
        •20•00 CA
        -20•00    VD
        •15•00 CA
         •9•87 CH
```

No sale registration

You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.



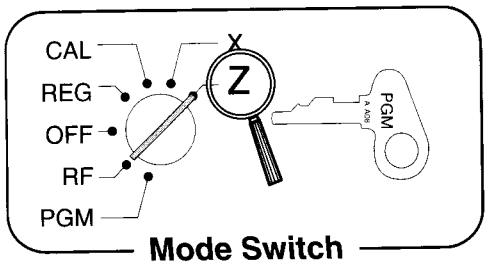
Mode Switch

OPERATION	RECEIPT
#/NS	06-12-96 12-50 0026 . . . . . # . . . . .

Printing the daily sales RESET report

This report shows daily sales totals.

OPERATION **REPORT**



Mode Switch

CA/AMT
=/TEND

```
    06-12-96          Date
       13-00          Time
        0027          Consecutive No.

000    0001Z          Report code/RESET counter/
                      RESET symbol
01          15
     •339•50
02          19        Department No./No. of items*1
      •62•70          Department amount*1
03          31
     •139•10
04          23
     •132•00
00          16        Non-link department No. of items
      •94•90          Non-link department amount

          253         Gross No. of items
   1146•90    TL      Gross sales

          10    No    Subtraction count
      •4•62     -     Subtraction amount
           8    No    Premium/Discount count
      •3•00%    -     Premium/Discount amount
```

```
  •732•56 I    TA     Taxable amount 1*2
    •56•80 I   TX     Tax amount 1*2
  •409•72 II   TA     Taxable amount 2*2
    •21•55 II  TX     Tax amount 2*2
  •272•50 III  TA     Taxable amount 3*2
    •21•55 III TX     Tax amount 3*2

       100     No     No. of customers
 •1217•63 NT          Net amount

        81     No     Cash sales count
  •836•86 CA          Cash sales amount
        10     No     Charge sales count
  •197•17 CH          Charge sales amount
         9     No     Check sales count
  •183•60     CK      Check sales amount
         2     No     Received on Account count
    •78•00 RC         Received on Account amount
         1     No     Paid out count
     •6•80 PD         Paid out amount
        10     No     Error correction count
   •12•76    VD
         7     No     Refund key count*3
   •27•79    RF
         2     No     Refund mode operation count*3
    •3•74*   RF       Refund mode operation amount*3
         5     #      No sale count

  •908•06 CA    #     Cash in drawer amount
  •197•17 CH    #     Charge in drawer amount
  •183•60       CK    Check in drawer amount

   •000000              Non-resettable
001217•63               grand-sales total
```

*1 Zero totaled departments (the amount and item numbers are both zero) are not printed.

*2 Taxable amount and tax amount are printed only the corresponding tax table is programmed.

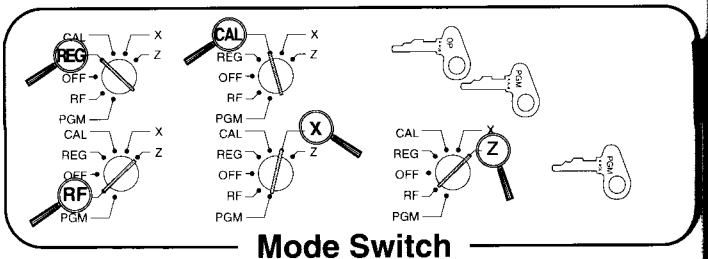
*3 These items can be skipped by programming.

This section describes more sophisticated setups and operations that you can use to suit the needs of yo retail environment.

Clerk control function
Post-finalization receipt format
General printing control (receipt/journal/report)
Compulsory
Machine features

About the clerk control function

To keep track of the registrations performed by different clerks, specify the clerk control function.
In case of selecting the clerk control function, signing on operation is necessary before registering, programming or issuing reports.



Mode Switch

Clerk sign on

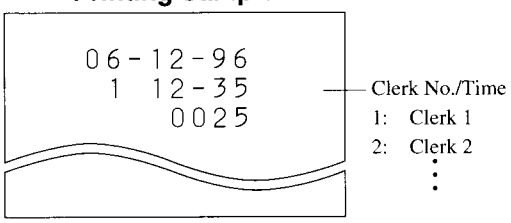
OPERATION

Signing clerk 1 on : 1 ➡ OPEN/CLK #
Signing clerk 2 on : 2 ➡ OPEN/CLK #
⋮
Signing clerk 4 on : 4 ➡ OPEN/CLK #

Important!

- **Once you select the clerk control function, the error code "E08" appears on the display whenev you try to perform a registration, a READ/RESET operation or any programming without signing**
- **You can choose either the clerk key function or the open key function.**
- **The signed on clerk is also identified on the receipt/journal.**

Printing Sample



Clerk sign off

OPERATION

Signing clerk off: 0 ➡ OPEN/CLK #

• The current clerk is also signed off whenever you set the mode switch to OFF position.

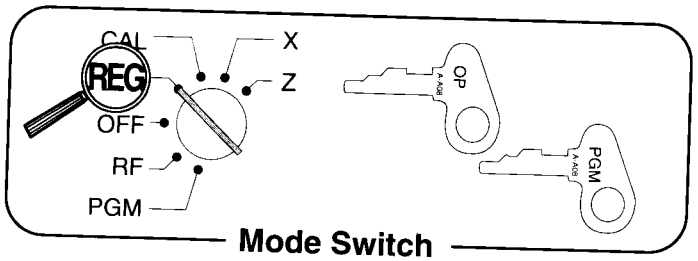
About post-finalization receipt

You can issue a receipt even if in no receipt mode.
The post-finalization receipt lets you issue a receipt after finalization of the transaction.
Note that all of the following conditions must be satisfied.

- The option "print receipts" is selected.
- The receipt issuance status must be OFF.
- The transaction must be finalized in the REG or RF mode using the CA/AMT, CH or CHK key.

Post-finalization receipt example

You can program the cash register to print the transaction total only (below Total format) or full details (below Detailed format) on the post-finalization receipt.
Note that if the transaction contains more than 26 lines (including receipt header), the cash register prints in a Total format regardless of your programming.



Item 1	Unit Price	$10.00
	Quantity	1
	Dept.	1
Item 2	Unit Price	$20.00
	Quantity	1
	Dept.	2
Payment	Cash	$30.00

OPERATION	RECEIPT
1 0 00 +1	
2 0 00 -2	
SUB TOTAL	
3 0 00 CA/AMT =/TEND	Receipt is not issued.
POST RECEIPT	Post-finalization receipt is issued. If "Automatic issue" is selected, no need to press the POST RECEIPT key.

Total format

```
06-12-96
    13-10
     0030

    •30•00  CA
```

Detailed format

```
06-12-96
    13-12
     0031

01  •10•00
02  •20•00

    •30•00    TL
    •30•00 CA  AT
     •0•00 CG
```

Important!

- **You can issue only one post-finalization receipt per transaction.**

Programming general printing control

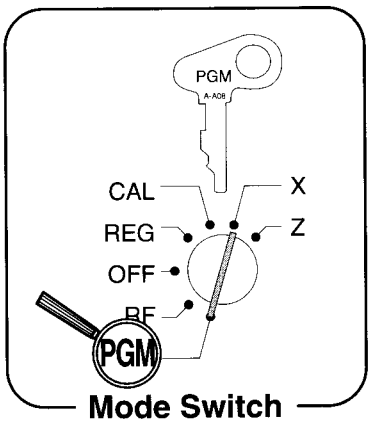
About the contents of general printing control

The following points are the contents of general printing control.

- Print/Non print a subtotal line whenever the [SUB TOTAL] key is pressed.
- Feed/Non feed receipt/journal one line before finalization.
- Print/Skip the date on journal.
- Print/Skip item lines on journal. (JOURNAL SKIP)
- Print/Skip taxable amount subtotal of each transaction.
- Print/Skip taxable status symbols on receipt/journal.
- Print/Skip item counter (No. of item sold) lines.
- Print/Skip the current time on receipt/journal.
- Print/Skip the consecutive number on receipt/journal in REG/RF modes.
- Print receipt/Print journal (If use 2-ply paper, select "Print receipt.")
- Issue post receipt by Finalize key (automatic issue)/by Post receipt key (manual issue).
- Detail format/Total format in the post receipt.

Programming procedure

		default	
Print/Non print a subtotal line whenever the [SUB TOTAL] key is pressed.	a	Non print = 0 Print = 1	□ (a+b+c)
Feed/Non feed one line before finalization.	b	Feed = 0 Non feed = 2	
Print/Skip the date. (effective, if "Print journal" is selected)	c	Skip = 0 Print = 4	
Print/Skip item lines. (effective, if "Print journal" is selected)	d	Print = 0 Skip = 1	□ (d+e+f)
Print/Skip taxable amount subtotal of each transaction.	e	Print = 0 Skip = 2	
Print/Skip taxable status symbols.	f	Print = 0 Skip = 4	
Print/Skip item counter line.	g	Skip = 0 Print = 1	□ (g+h+i)
Print/Skip the current time.	h	Print = 0 Skip = 2	
Print/Skip the consecutive number.	i	Print = 0 Skip = 4	
Print receipt/Print journal.	j	Receipt = 0 Journal = 1	□ (j+k+l)
Issue post receipt by Finalize key (automatic issue)/ Post receipt key (manual issue)	k	Manual = 0 Automatic = 2	
Detail format/Total format in the post receipt.	l	Detail = 0 Total = 4	



Mode Switch

→ 3 [SUB TOTAL] → 0 5 2 2 [SUB TOTAL] → □ □ □ □ → [CA/AMT =/TEND] → [SUB TOTAL]

Programming READ/RESET report printing control

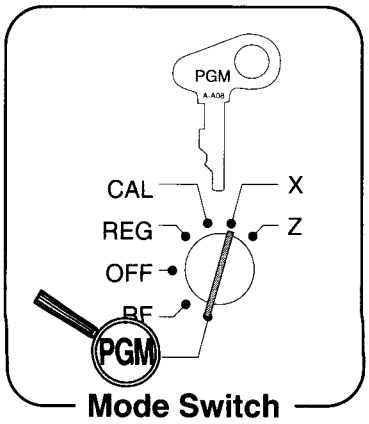
About READ/RESET report printing control

The following points are the contents of report printing control.

- Print/Skip the RF mode and RF key totals and counters on the daily and periodic report.
- Print/Skip the grand total on the daily reset report.

Programming procedure

		default	
Print/Skip the RF mode and RF key totals and counters on the daily and periodic report.	a	Print = 0 Skip = 1	□ (a+b)
Print/Skip the grand total on the daily reset report.	b	Print = 0 Skip = 2	



→ 3 [SUB TOTAL] → 0 8 2 2 [SUB TOTAL] → 0 □ 0 0 → [CA/AMT =/TEND] → [SUB TOTAL]

Programming compulsory, clerk control function and other features

About compulsory, clerk control function and other features

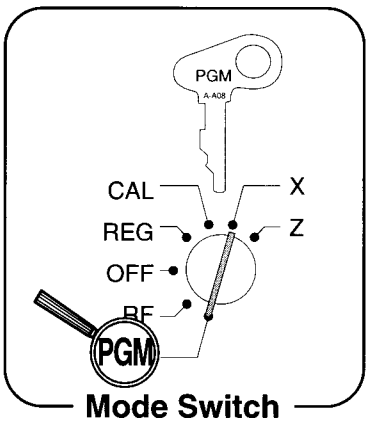
The following points are contents of this programming.

- Use the [OPEN/CLK#] key as "Clerk" key/"Open" key.*1
- Assign "00"key/Assign "000" key.
- Multiplication for department key order: quantity × amount/amount × quantity
- Reset/Not reset (to 0001) the consecutive number when the Daily RESET report is issued.
- Force [SUB TOTAL] key operation before finalization.
- Required/Not required to input the cash in drawer amount (MONEY DECLARATION) before the daily READ RESET report.
- Clear the key buffer when the transaction is terminated.
- Display Hour/Minute/Second or Hour/Minute on time display.

*1 Effective only after all RESET reports are issued.

Programming procedure

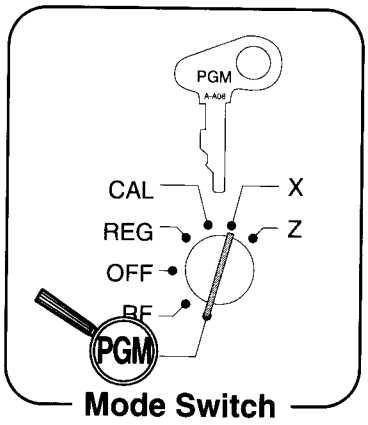
		default	
Use "Clerk"function/Use "Open" function.	a	Open = 0 Clerk = 1	□ (a+b)
Assign "00" key/Assign "000" key.	b	"00" = 0 "000" = 4	
(1) Quantity × amount/(2)Amount × quantity	c	(1) = 0 (2) = 1	□ (c+d+e)
Reset/Not reset the consecutive number.	d	Reset = 0 Non reset = 2	
Prohibit/Allow the cancel operation.	e	Allow = 0 Prohibit = 4	
Force [SUB TOTAL] key operation before finalization.	f	No = 0 Compulsory = 2	□ (f+g)
Required/Not required to input the cash in drawer amount before the daily report.	g	Not required = 0 Required = 4	
Clear the key buffer when the transaction is terminated.	h	Not clear = 0 Clear = 1	□ (h+i)
Display "seconds" during time display.	i	Suppress= 0 Display = 4	



→ 3 [SUB TOTAL] → 0 6 2 2 [SUB TOTAL] → □ □ □ □ → [CA/AMT =/TEND] → [SUB TOTAL]

Setting/editing the store telephone number

You can program 4 lines of maximum 14 digits of unique number of your store, such as telephone number, tax payer code... etc.
The following procedure shows you how to set or edit your numbers including spaces and hyphens.



1st line: ➡ 3 [SUB TOTAL] ➡ 0 1 3 2 [SUB TOTAL] ➡

2nd line: ➡ 3 [SUB TOTAL] ➡ 0 2 3 2 [SUB TOTAL] ➡

3rd line: ➡ 3 [SUB TOTAL] ➡ 0 3 3 2 [SUB TOTAL] ➡

4th line: ➡ 3 [SUB TOTAL] ➡ 0 4 3 2 [SUB TOTAL] ➡

Enter the number within 14 digits, including spaces and hyphens.
- numerics: 0, 1 ~ 9, 00
- hyphen: [-]
- space: [POST RECEIPT]

➡ [CA/AMT =/TEND] ➡ [SUB TOTAL]

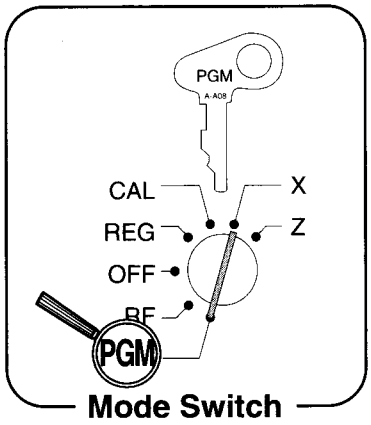
Example:

To print	1234-5678 06-12-96	➡ Enter as 1 2 3 4 [-] 5 6 7 8
To print	123 456-78 9 06-12-96	➡ Enter as 1 2 3 [POST RECEIPT] 4 5 6 [-] 7 8 [POST RECEIPT] 9
To print	123456789 01234 06-12-96	➡ Enter as 1 2 3 4 5 6 7 8 9 0 1 2 3 4

Note: Entries exceed 9 digits are printed in 2 lines.

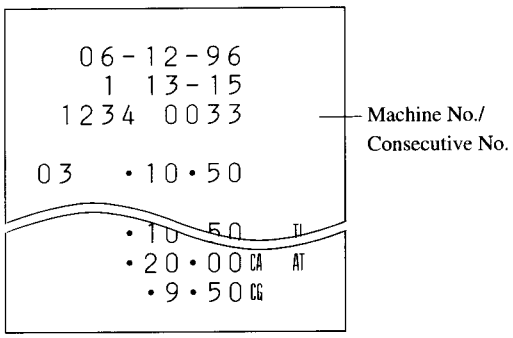
Setting a store/machine number

You can set a 4-digit machine number to identify your machine, the machine number is printed on receipts/ journal for each transaction.



→ 3 [SUB TOTAL] → 0 2 2 2 [SUB TOTAL] → Store/Machine No. → [CA/AMT-/TEND] → [SUB TOTAL]

Example: 0 0 0 1 to 9 9 9 9, 0 0 0 0 means no machine number.



High digit limitation for departments

Locking out and releasing high digit limitation

Item	Unit Price	$10.50
	Quantity	1
	Dept.	3
	Max.digit	$(3)_{preset}$
Payment	Cash	$20.00

OPERATION

1 0 5 0 ×3

ERROR ALARM
(Exceeding max. digits)

C CAC

OPEN/CLK#

Cancels limitations for next entry

1 0 5 0 ×3

SUB TOTAL

2 0 00 CA/AMT =/TEND

RECEIPT

```
06-12-96
   13-20
1234  0034

03    •10•50

      •10•50    TL
      •20•00 CA AT
       •9•50 CG
```

Single-item-sales for departments and PLUs

About the single-item-sales items

You can issue a receipt by simply touching the single-item-sales department or PLU. The following examples show how you register single-item-sale departments. Registration of single-item-sale PLUs is identic

Example 1

Item	Unit Price	$2.00
	Quantity	1
	Dept.	4
	Sales Status	Single-Item

OPERATION

2 00 ÷4

RECEIPT

```
06-12-96
  1 13-30
1234  0035

04      •2•00

        •2•00 CA
```

Example 2

Item	Unit Price	($3.00)$_{preset}$
	Quantity	3
	Dept.	4
	Sales Status	Single-Item

OPERATION

3 X/DATE/TIME

÷4

RECEIPT

```
06-12-96
  1 13-40
1234  0036

          3 X
        •3•00    @
04      •9•00

        •9•00 CA
```

Example 3

Item 1	Unit Price	$2.00
	Quantity	1
	Dept.	3
	Sales Status	Normal
Item 2	Unit Price	$5.00
	Quantity	1
	Dept.	4
	Sales Status	Single-Item
Tender	Cash	$7.00

OPERATION

2 00 ×3

5 00 ÷4

Single-Item status is not effective during transaction.

CA/AMT/=/TEND

It is necessary to press the finalize key.

RECEIPT

```
06-12-96
  1 13-50
1234  0037

03      •2•00
04      •5•00

        •7•00 CA
```

Note: The single-item-sales department or PLU should be registered at the top of the transaction, otherwis the transaction is not finalized. It is necessary to press the CA/AMT/=/TEND, CH or CHK key.

To program the tax calculation status and maximum entering digits for each department

Tax calculation status
This digit defines which tax table should be used for automatic tax calculation. See page 13 for information on setting up the tax tables.

Tax Table 1	1
Tax Table 2	2
Tax Table 3	4
No tax calculation	0
Tax Table 1 and 2	3
Tax Table 1 and 3	5
Tax Table 2 and 3	6
All taxable	7

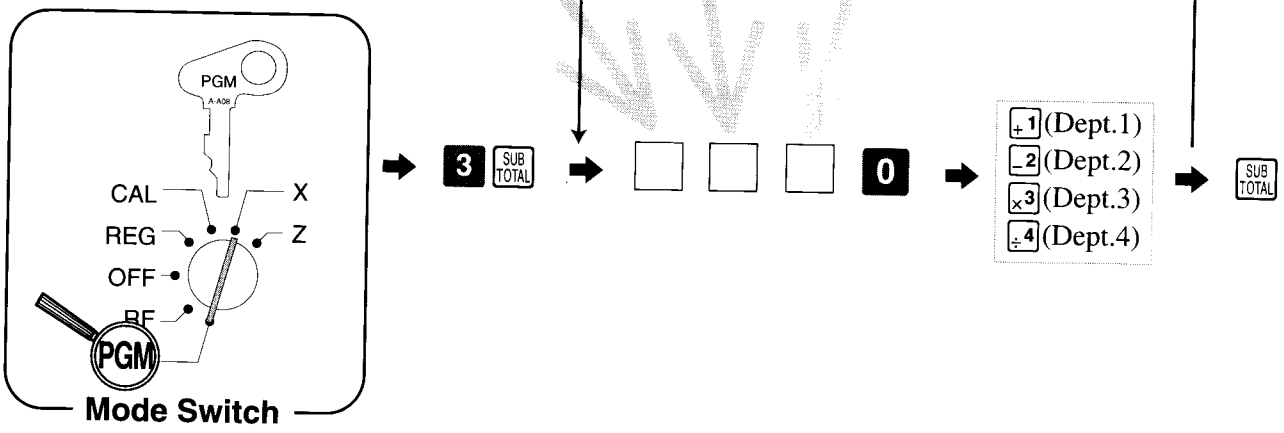
Maximum entering digits
This specification defines how many digits can be used for manual input of a unit price on the keyboard.

No limit	0
1 digit	1
2 digits	2
⋮	
5 digits	5
6 digits	6
Manual input not allowed	9

Selecting 9 means that you can perform department registration using their preset unit price only.

Single-item status/negative department status
This digit defines single-item status and negative department.

Normal dept.	0
Single item dept.	1
Negative dept.	2
Single item/ Negative dept.	3



To program PLU links to departments, tax calculation status and PLU selections

Single-item status/negative PLU status/PLU selection
This digit defines single-item status and negative department.

Normal PLU	0
Single item PLU	1
Negative PLU	2
Single item/ Negative PLU	3

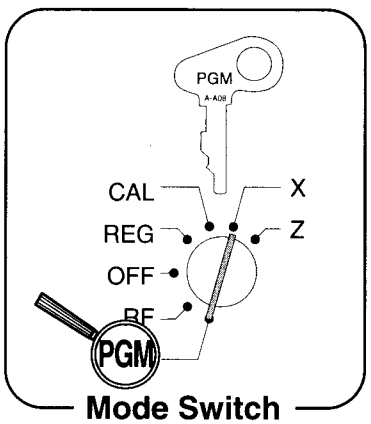
Tax calculation status
This digit defines which tax table should be used for automatic tax calculation. See page 13 for information on setting up the tax tables.

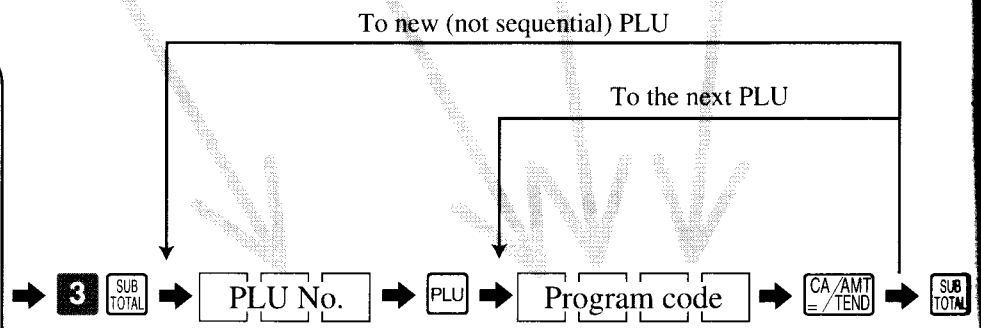
Tax Table 1	1
Tax Table 2	2
Tax Table 3	4
No tax calculation	0
Tax Table 1 and 2	3
Tax Table 1 and 3	5
Tax Table 2 and 3	6

PLU No.
1 to 100

Linked department
This specification links the PL
a department

Department 1	01
Department 2	02
Department 3	03
Department 4	04
No link	00

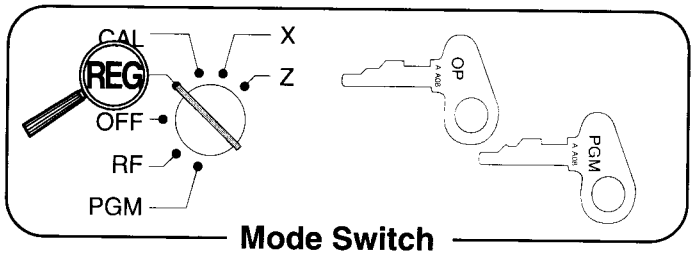




Registering discounts and premiums

The following example shows how you can use the [%] key as premium in various types of registration.

Note: Before registering premium, you should define the [%] key as premium key. See the next page.



Discount for items and subtotals

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 30.

Premium for items and subtotals

Item 1	Unit Price	$(\$10.00)_{preset}$
	Quantity	1
	Dept.	4
Premium	Rate	7%
Item 2	Unit Price	$(\$5.00)_{preset}$
	Quantity	1
	PLU	32
Subtotal premium	Rate	$(5\%)_{preset}$
Payment	Cash	$20.00

OPERATION

[÷4]
[7] [%]
Applies the input value as a premium rate (7%).
[3] [2] [PLU]
[SUB TOTAL]
[%]
Applies the preset premium rate (5%) to the subtotal.
[SUB TOTAL]
[2] [0] [00] [CA/AMT =/TEND]

RECEIPT

```
06-12-96
 1 14-30
1234 0041

04    •10•00
          7   %
       •0•70
032    •5•00
      •15•70 ST
          5   %
       •0•79

      •16•49    TL
      •20•00 CA AT
       •3•51 CG
```

- You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the [%] key

- Whenever you perform a discount/premium operation on the last item registered, the tax calculation for discount/premium amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount/premium operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the [%] key.

Programming discounts and premiums

You can use the [%] key to register either discounts (percentage decreases) or premium (percentage increases). The following procedures let you select the operation you want for [%] key. They also let you program a preset rate, the tax calculation method and the tax rounding method.

To program discount or premium rate

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 30.

To program tax calculation status, tax rounding method and the key attribution

Tax calculation status

This specification defines where the result of the percent calculation on a subtotal should be reflected (added to or subtracted from) for tax purposes. Note that this specification is for calculations with subtotal only, and is not applied for calculations involving individual items.

Tax Table 1	1
Tax Table 2	2
Tax Table 3	4
No tax calculation	0
Tax Table 1 ,2 and 3	7
Tax Table 1 and 2	3
Tax Table 1 and 3	5
Tax Table 2 and 3	6

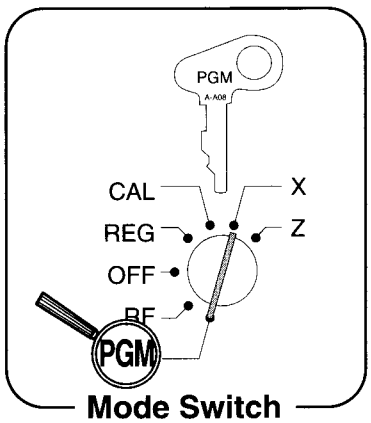
Tax rounding method

This specification defines the method used to round the result of a percentage calculation.

Round off	0
Cut off	1
Round up	2

Key attribution

Use as discount key (%–)	0
Use as premium key (%+)	1



➡ 3 SUB TOTAL ➡ 0 Preset data ➡ % ➡ SUB TOTAL

Other programmable options

Programming amount tender compulsory, prohibit amount tender, VAT break down and amount tender restriction

Amount tender compulsory

Force amount tender ⇨ 1
Not force amount tender ⇨ 0

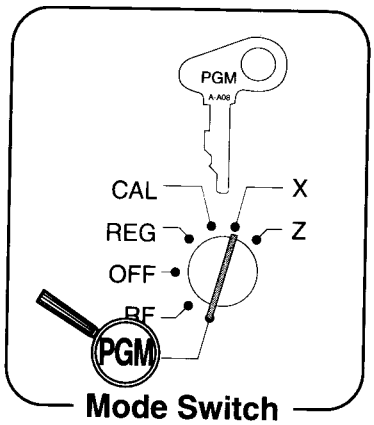
Prohibit amount tender/ Restrict amount tender

Allow amount tender ⇨ 0
Prohibit amount tender ⇨ 1
Restrict to 00, 25, 50, 75 on last two digits for amount tender *1 ⇨ 4

*1 Always select "4" (Restrict), for [CA/AMT/TEND] when you are using "Denmark rounding."

Print VAT break down

Print VAT break down (Invoice) ⇨ 0
Not print VAT break down (Fiscal) ⇨ 1



➡ 3 [SUB TOTAL] ➡ 0 Preset data ➡ [CA/AMT/TEND], [CHK] ➡ [SUB TOTAL]

Programming credit balance and tax status to subtraction key

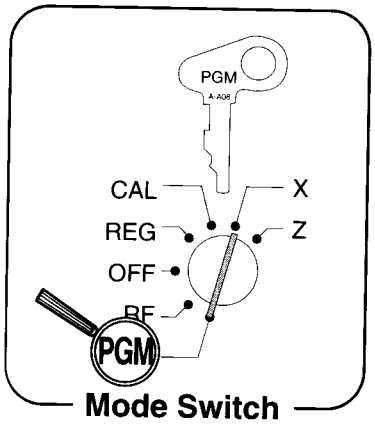
Tax calculation status

This specification defines where the subtraction should be reflected (subtracted from) for tax purposes.

Tax Table 1	1	Tax Table 1, 2 and 3	7
Tax Table 2	2	Tax Table 1 and 2	3
Tax Table 3	4	Tax Table 1 and 3	5
No tax calculation	0	Tax Table 2 and 3	6

Credit balance

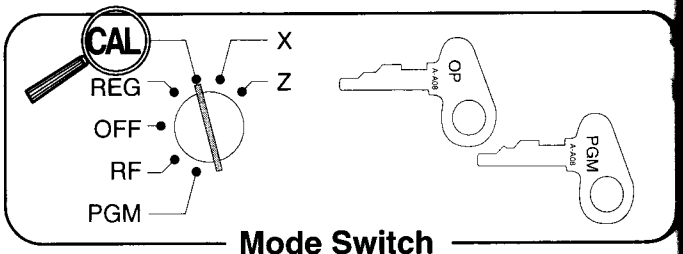
Prohibit credit balance ⇨ 0
Allow credit balance ⇨ 1



➡ 3 [SUB TOTAL] ➡ 0 Preset data 0 ➡ [−] ➡ [SUB TOTAL]

Calculator functions

While registering at the REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.



Mode Switch

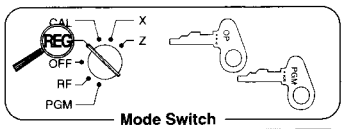
Example 1 (Calculation examples)

	OPERATION	DISPLAY
Clear	C C	0.
5+3–2=	5 +1 3 –2 2 CA/AMT =/TEND	6.
(23–56)×78=	2 3 –2 5 6 ×3 7 8 CA/AMT =/TEND	-2574
(4×3–6)/3.5+8=	4 ×3 3 –2 6 ÷4 3 • 5 +1 8 CA/AMT =/TEND	9.714
12 % on 1500	1 5 0 0 –2 ×3 1 2 %	180.

Example 2 (Memory recall)

Item 1	Unit Price	$11.20
	Quantity	1
	Dept.	1
Item 2	Unit Price	$20.00
	Quantity	1
	Dept.	2
Payment by 3 persons Cash $10.40 each		

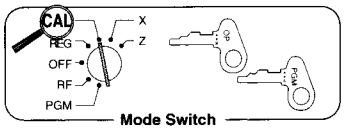
OPERATION / DISPLAY / RECEIPT


Mode Switch

1 1 2 0 +1

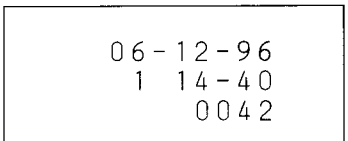
2 0 00 –2

SUB TOTAL


Mode Switch

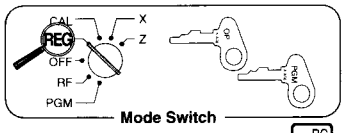
RC MR

Memory recall:
Recalls subtotal amount



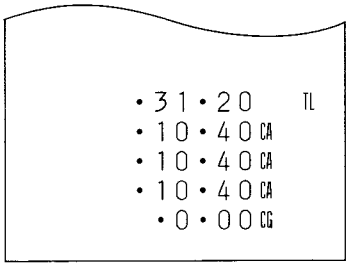
÷4 3 CA/AMT =/TEND

Divides the subtotal by 3 persons.


Mode Switch

RC MR

Memory recall:
Recalls the result amount



CA/AMT =/TEND

RC MR CA/AMT =/TEND

RC MR CA/AMT =/TEND

Notes:

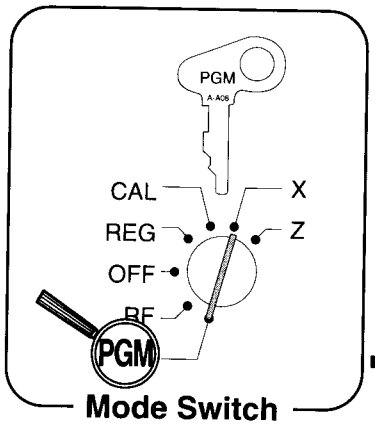
1. Pressing [ ] key in the CAL mode recalls
   ①Current subtotal (During registration)
   ②The last amount (Registration has been completed)
2. Pressing [ ] key in the REG mode recalls
   The current result by pressing [CA/AMT/TEND] key at the CAL mode.

Programming calculator mode control

The following procedure lets you program a number of functions in CAL mode.

- Open/Not open the cash drawer when the "Equal" key ([CA/AMT/TEND] key on the keyboard) is pressed.
- Open/Not open the cash drawer when the "Drawer open" key ([#/NS] key on the keyboard) is pressed.
- Print/Skip the "Equal" key total/count on the daily READ/RESET report.

		default	
Open/Not open drawer when the [CA/AMT/TEND] (equal) key is pressed in CAL mode.	a	Not open = 0 Open = 1	□ (a+b+c)
Open/Not open drawer when the [#/NS] (drawer open) key is pressed in CAL mode.	b	Not open = 0 Open = 2	
Print/Skip the [CA/AMT/TEND] (equal) key total and count on the daily report.	c	Print = 0 Skip = 4	



→ 3 [SUB TOTAL] → 1 0 2 2 [SUB TOTAL] → 0 □ 0 0 → [CA/AMT/TEND] → [SUB TOTAL]

Printing READ/RESET reports

- READ report
  You can print READ reports at any time during the business day without affecting the data stored in the cash register's memory.
- RESET report
  You should print RESET reports at the end of the business day.

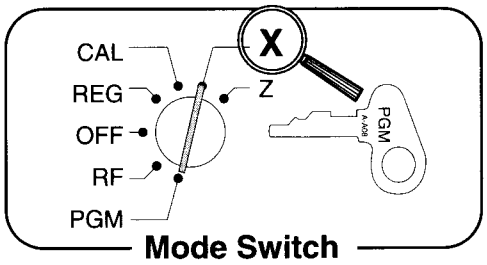
Important!

- **The RESET operation issues a report and also clears all sales data from the cash register's memory.**
- **Be sure to perform the RESET operations at the end of each business day. Otherwise, you will not be able to distinguish between the sales data for different dates.**

To print the individual department READ report

This report shows sales for specific departments.

OPERATION **REPORT**



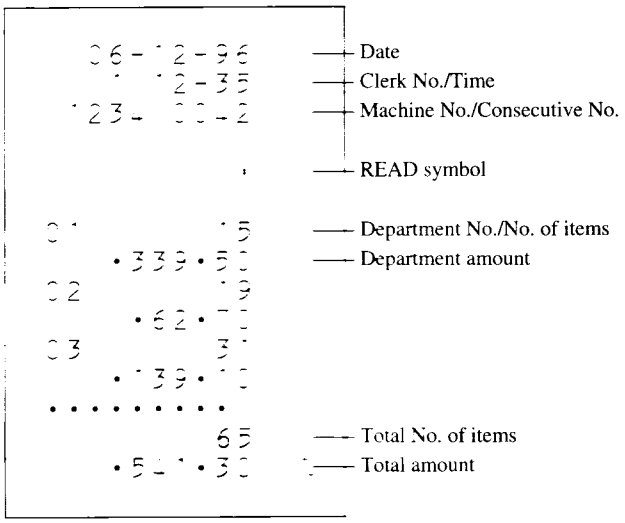
Specifying a department

[+1] ... [÷4]

If you want to read any other department, continue specifying department keys ...

[SUB TOTAL]

After you finish to select departments, press [SUB TOTAL] to terminate.



Printing READ/RESET reports

- READ report
  You can print READ reports at any time during the business day without affecting the data stored in the cash register's memory.
- RESET report
  You should print RESET reports at the end of the business day.

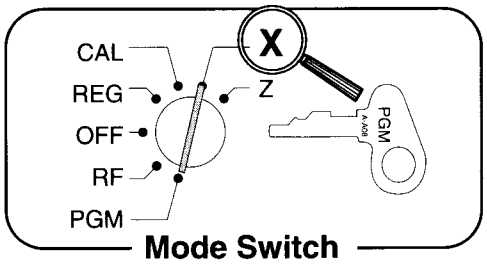
Important!

- **The RESET operation issues a report and also clears all sales data from the cash register's memory.**
- **Be sure to perform the RESET operations at the end of each business day. Otherwise, you will not be able to distinguish between the sales data for different dates.**

To print the individual department READ report

This report shows sales for specific departments.

OPERATION **REPORT**



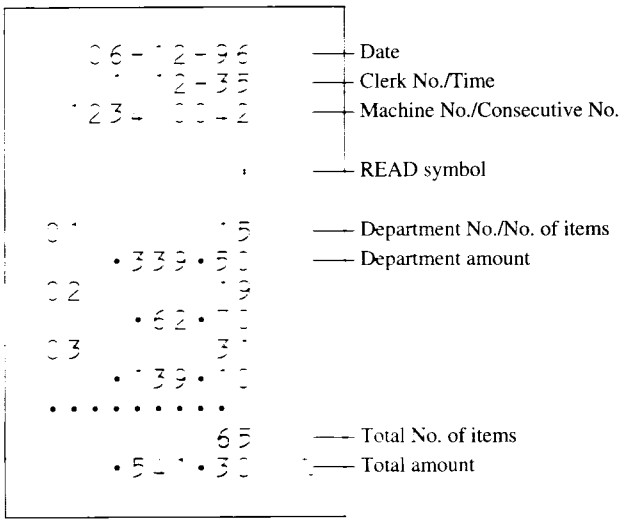
Specifying a department

[+1] ... [÷4]

If you want to read any other department, continue specifying department keys ...

[SUB TOTAL]

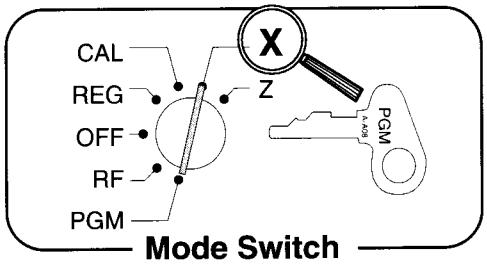
After you finish to select departments, press [SUB TOTAL] to terminate.



To print the individual PLU READ report

This report shows sales for specific PLUs.

OPERATION



Specifying a PLU by its code

(1 ~ 1 00)

PLU *1

If you want to read any other PLU, continue specifying codes...

SUB TOTAL

After you finish to select PLU, press SUB TOTAL to terminate.

REPORT

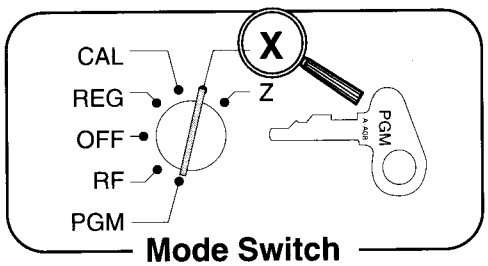
```
06-12-96                    — Date
  1  15-00                  — Clerk No./Time
1234  0043                  — Machine No./Consecutive No.

                X           — READ symbol

003          21             — PLU No./
    •27•30                  — No. of items
050          12
    •36•00                  — PLU amount
021          13
    •65•36
••••••••••
             46             — Total No. of items
  •128•66   TL              — Total amount
```

*1 Press PLU directly to specify the next PLU.

To print the financial READ report

This report shows gross sales, det sales, cash in drawer and check in drawer.

OPERATION



Money declaration*1
(Cash in drawer amount #/NS)

X/DATE/TIME

REPORT

```
06-12-96                    — Date
  1  15-10                  — Clerk No./Time
1234  0044                  — Machine No./Consecutive No.

                X           — READ symbol

           253              — Gross No. of items
 •1146•90   TL              — Gross amount
       100  NO              — Net No. of customers
 •1217•63 NT                — Net amount
  •908•06 CA  #             — Cash in drawer (b)
  •908•06     #             — Declared amount (a)
    •0•00                   — Difference (a) with (b)
  •125•97 CH  #             — Charge in drawer
  •183•60     CK            — Check in drawer
```

*1 Money declaration:

Count how much cash is in the drawer and input this amount(up to 8 digits).

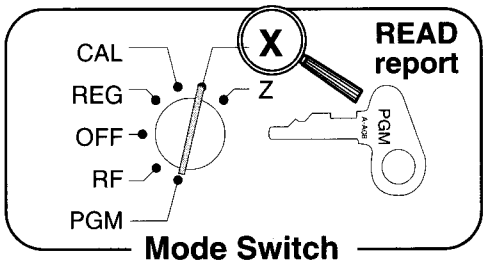
The cash register will automatically compare the input with the cash register will automatically compare the cash in drawer in the memory and print the difference between these two amounts.

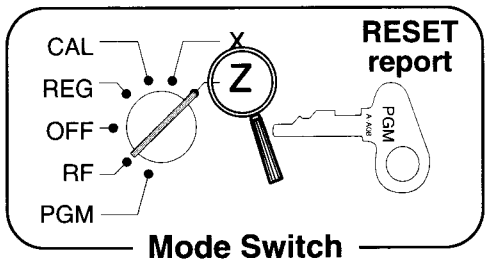
Note that if money declaration is required by programming(page 46), you cannot skip this procedure.

To print the daily sales READ/RESET report

This report shows sales except for PLUs.

OPERATION **REPORT**





Money declaration *1
(Cash in drawer amount #/NS)

CA/AMT =/TEND

```
06-12-96                    Date
  1  15-20                  Clerk No./Time
1234  0045                  Machine No./Consecutive No.

000        X                Report code/READ symbol*5
                            (RESET symbol and counter are printed
                             on RESET report.)
01         15               Department No./No. of items*2
   •339•50                  Department amount*2
02         19
   •82•70
00         16               Non-link department count
   •94•90                   Non-link department amount

          253               Gross No. of items
 •1146•90          TL       Gross sales

           10       No      Subtraction count
    •4•62           -       Subtraction amount
            8       No      Premium/Discount count
    •3•00%          -       Premium/Discount amount
 •732•56 I          TA      Taxable amount 1*3
  •56•80 I          TX      Tax amount 1*3
 •409•72 II         TA      Taxable amount 2*3
  •21•55 II         TX      Tax amount 2*3
 •272•50 III        TA      Taxable amount 3*3
  •21•55 III        TX      Tax amount 3*3

          100       No      No. of customers
```

```
 •1217•63 NT                Net amount

1          10       No      Clerk 1 count
    •14•62                  Clerk 1 sales amount
2          25       No
   •21•38
4          12       No      Clerk 4 count
    •37•97                  Clerk 4 sales amount

           81       No      Cash sales count
 •836•86 CA                 Cash sales amount
           10       No      Charge sales count
 •197•17 CH                 Charge sales amount
            9       No      Check sales count
 •183•60  CK                Check sales amount
            2       No      Received on Account count
  •78•00 RC                 Received on Account amount
            1       No      Paid out count
   •6•80 PD                 Paid out amount
           10       No      Error correction count
  •12•76  VD
            7       No      Refund key count*4
  •27•79  RF
            2       No      Refund mode operation count*4
   •3•74* RF                Refund mode operation amount*4
            5       #       No sale count
            3 CA    No      CAL mode operation count*4

 •908•06 CA         #       Cash in drawer amount
 •125•97 CH         #       Charge in drawer amount
 •183•60  CK                Check in drawer amount

   •000000                  Non-resettable grand-sales total
001217•63                   (RESET report only)
```

*1 Money declaration:
Count how much cash is in the drawer and input this amount (up to 8 digits).
The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.
Note that if money declaration is required by programming (page 46), you cannot skip this procedure.

*2 Zero totaled departments (the amount and item numbers are both zero) are not printed.

*3 Taxable amount and tax amount are printed only the corresponding tax table is programmed.

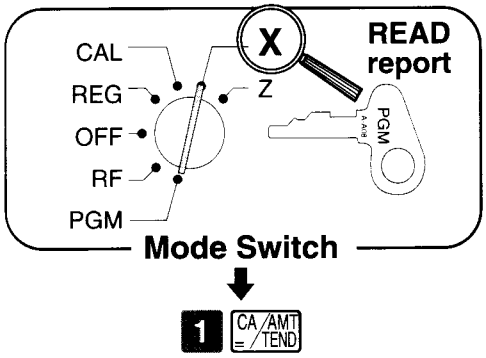
*4 These items can be skipped by programming.

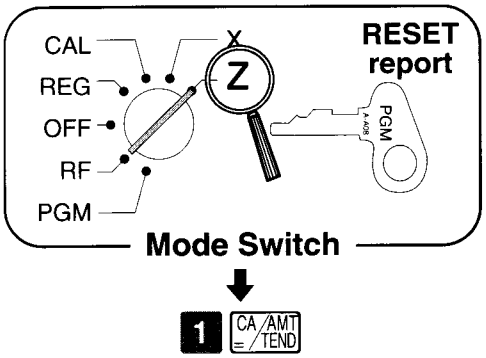
5 The "" symbol is printed on the RESET report, memory overflow occurred in the totalizer.

To print the PLU READ/RESET report

This report shows sales for PLUs.

OPERATION





REPORT

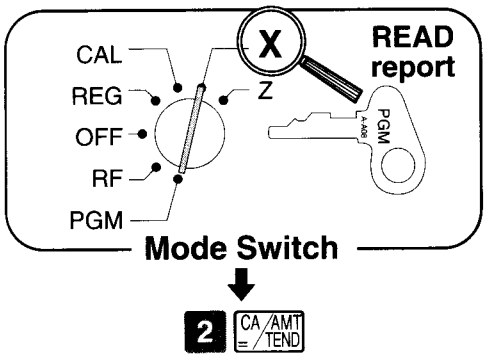
```
    06-12-96
     1  15-20
  1234  0046

001          X

001         21
      •27•30
002         12
      •36•00
003         13
      •65•36
004         68
      •47•94
005         13
      •76•00
102         12
      •24•00
150         13
      •33•34
•••••••••
          246
   •3128•30   TL
```

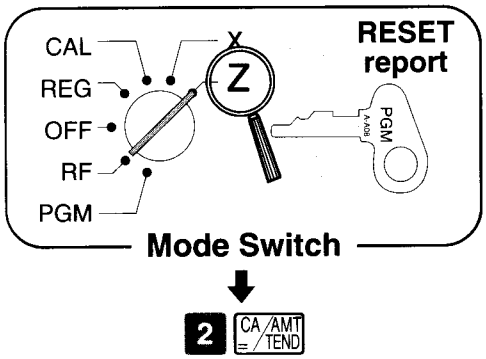
- Date
- Clerk No./Time
- Machine No./Consecutive No.
- READ symbol (RESET symbol and counter are printed on RESET report)
- PLU No./ No. of items
- PLU amount
- Total No. of items
- Total amount

To print the hourly sales READ/RESET report

This report shows hourly breakdowns of sales.

OPERATION





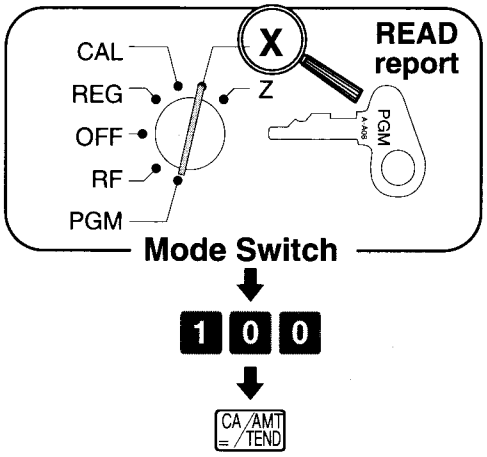
REPORT

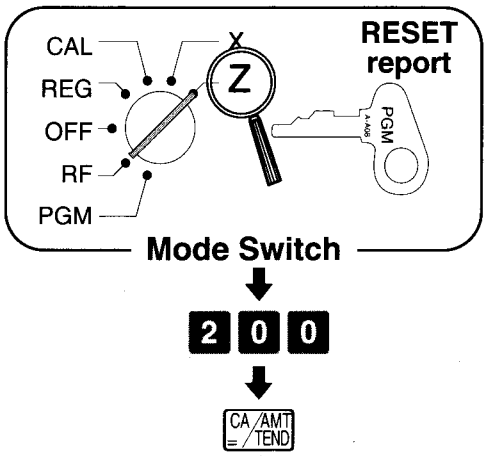
```
    06-12-96
     1  15-30
  1234  0047

002          X

10-11
          17    No
     •171•83
11-12                 Time zone
          21    No    No. of customers
        •96•20        Amount
     •331•85
20-21
          11    No
        •96•20
•••••••••
          246         Total No. of items
   •3128•30   TL      Total amount
```

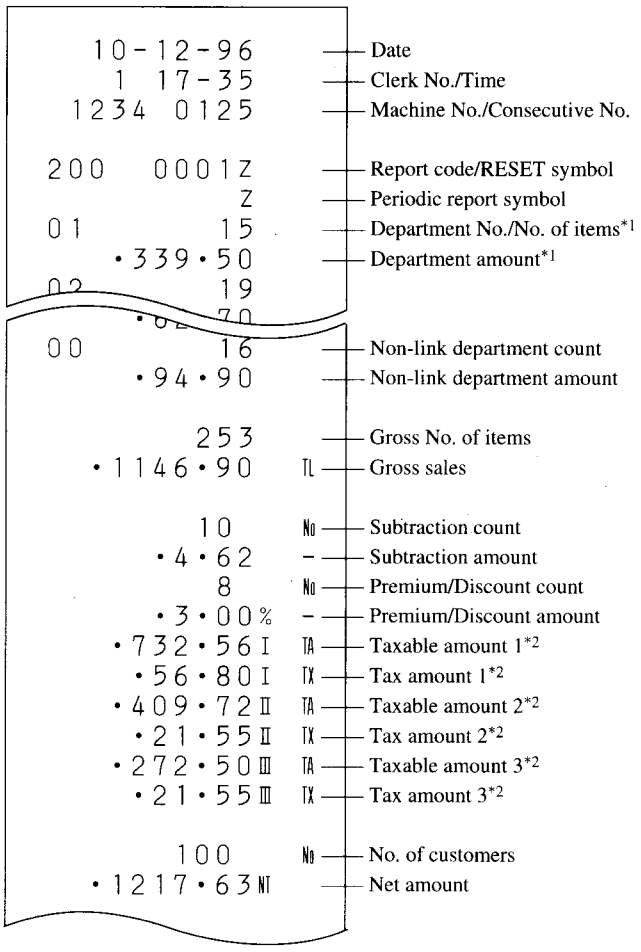
To print the periodic 1 sales READ/RESET report

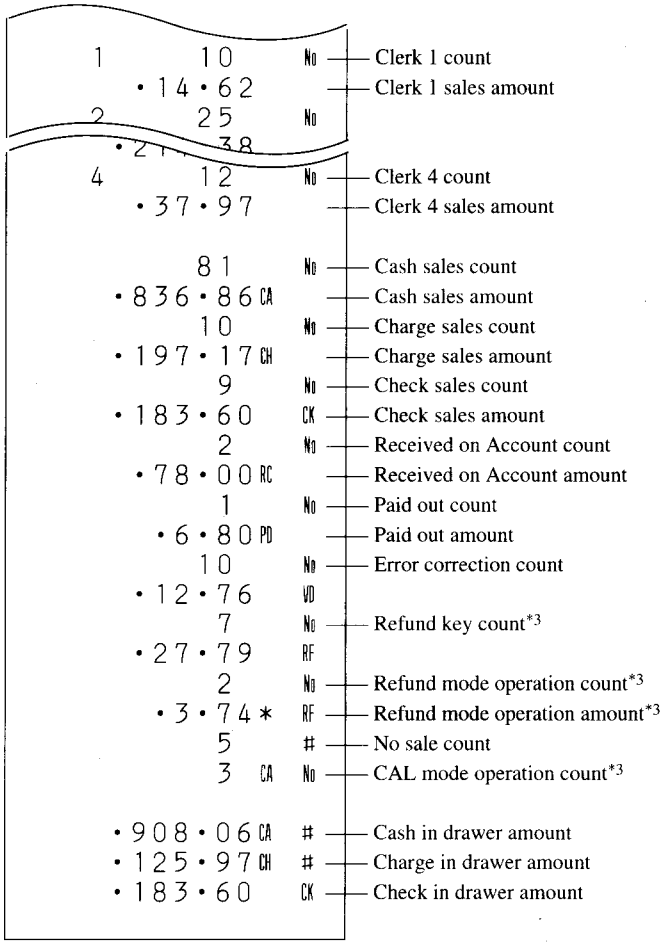
This report shows sales breakdowns of sales by any period you want.

OPERATION **REPORT**






10-12-96 — Date
1 17-35 — Clerk No./Time
1234 0125 — Machine No./Consecutive No.
200 0001Z — Report code/RESET symbol
Z — Periodic report symbol
01 15 — Department No./No. of items*1
•339•50 — Department amount*1
00 16 — Non-link department count
•94•90 — Non-link department amount
253 — Gross No. of items
•1146•90 TL — Gross sales
10 No — Subtraction count
•4•62 − — Subtraction amount
8 No — Premium/Discount count
•3•00% − — Premium/Discount amount
•732•56 I TA — Taxable amount 1*2
•56•80 I TX — Tax amount 1*2
•409•72 II TA — Taxable amount 2*2
•21•55 II TX — Tax amount 2*2
•272•50 III TA — Taxable amount 3*2
•21•55 III TX — Tax amount 3*2
100 No — No. of customers
•1217•63 NT — Net amount


1 10 No — Clerk 1 count
•14•62 — Clerk 1 sales amount
2 25 No
4 12 No — Clerk 4 count
•37•97 — Clerk 4 sales amount
81 No — Cash sales count
•836•86 CA — Cash sales amount
10 No — Charge sales count
•197•17 CH — Charge sales amount
9 No — Check sales count
•183•60 CK — Check sales amount
2 No — Received on Account count
•78•00 RC — Received on Account amount
1 No — Paid out count
•6•80 PO — Paid out amount
10 No — Error correction count
•12•76 VD
7 No — Refund key count*3
•27•79 RF
2 No — Refund mode operation count*3
•3•74* RF — Refund mode operation amount*3
5 # — No sale count
3 CA No — CAL mode operation count*3
•908•06 CA # — Cash in drawer amount
•125•97 CH # — Charge in drawer amount
•183•60 CK — Check in drawer amount

*1 Zero totaled departments (the amount and item numbers are both zero) are not printed.

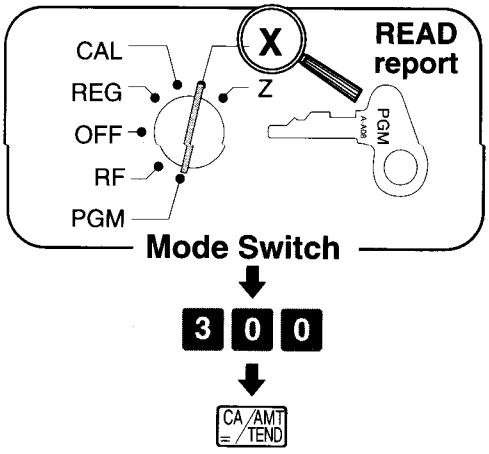
*2 Taxable amount and tax amount are printed only the corresponding tax table is programmed.

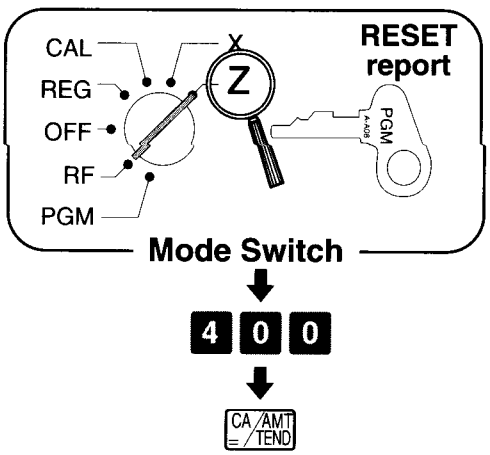
*3 These items can be skipped by programming.

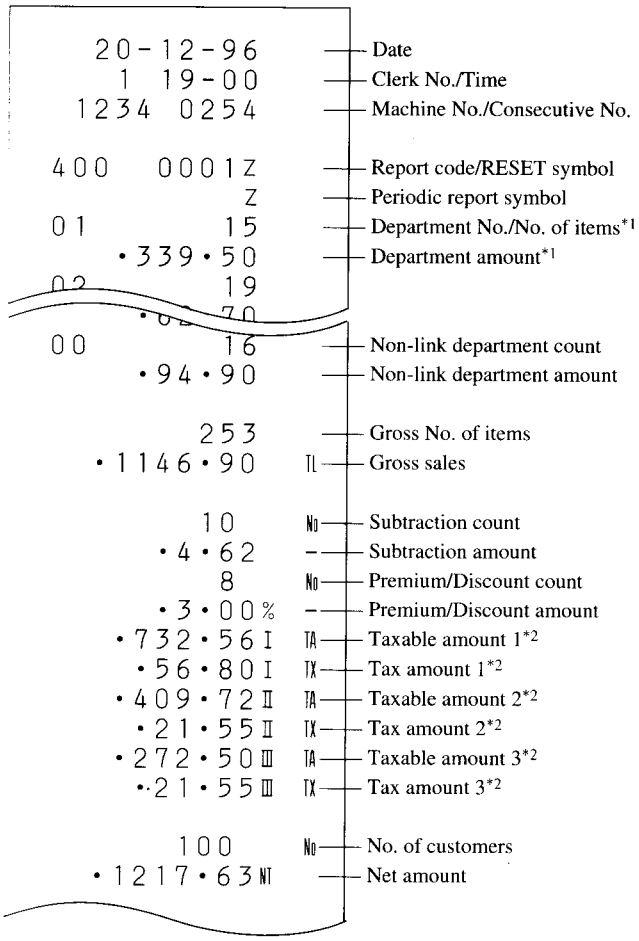
To print the periodic 2 sales READ/RESET report

This report shows sales breakdowns of sales by any period you want.

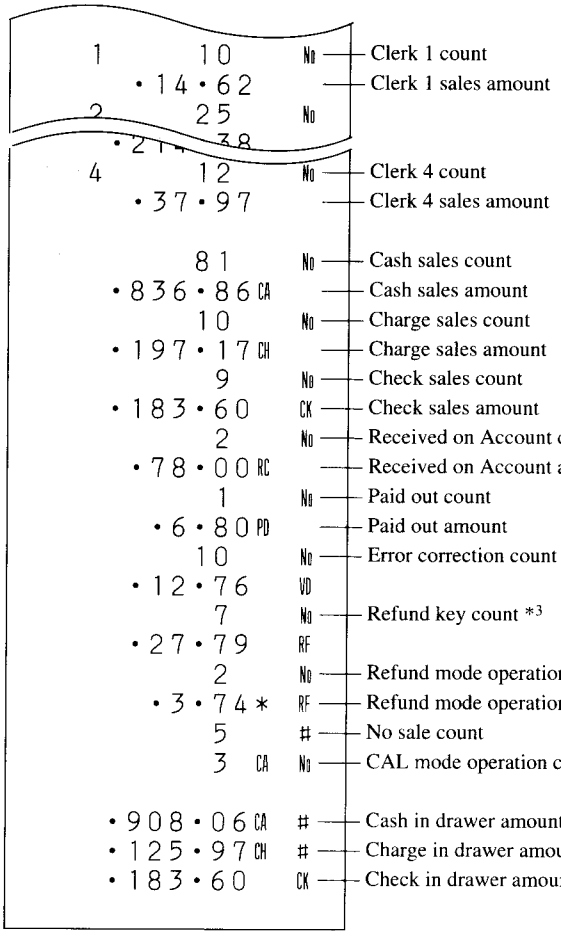
OPERATION **REPORT**







Date
Clerk No./Time
Machine No./Consecutive No.
Report code/RESET symbol
Periodic report symbol
Department No./No. of items*1
Department amount*1
Non-link department count
Non-link department amount
Gross No. of items
Gross sales
Subtraction count
Subtraction amount
Premium/Discount count
Premium/Discount amount
Taxable amount 1*2
Tax amount 1*2
Taxable amount 2*2
Tax amount 2*2
Taxable amount 3*2
Tax amount 3*2
No. of customers
Net amount



Clerk 1 count
Clerk 1 sales amount
Clerk 4 count
Clerk 4 sales amount
Cash sales count
Cash sales amount
Charge sales count
Charge sales amount
Check sales count
Check sales amount
Received on Account count
Received on Account amount
Paid out count
Paid out amount
Error correction count
Refund key count *3
Refund mode operation count*3
Refund mode operation amount *3
No sale count
CAL mode operation count*3
Cash in drawer amount
Charge in drawer amount
Check in drawer amount

Zero totaled departments (the amount and item numbers are both zero) are not printed.

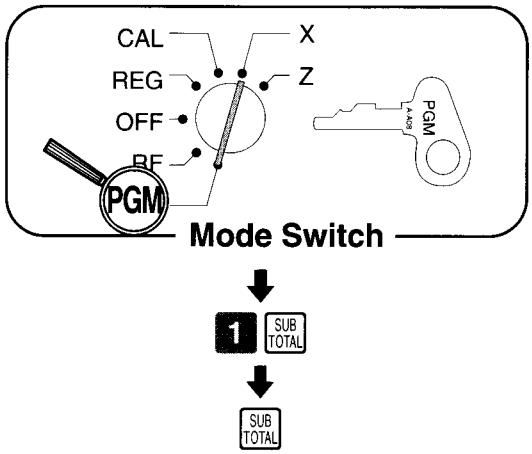
Taxable amount and tax amount are printed only the corresponding tax table is programmed.

These items can be skipped by programming.

Printing the cash register's program

To print programming (except PLU)

OPERATION



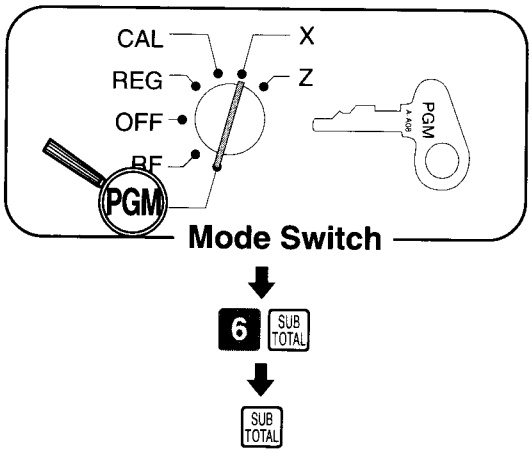
REPORT

```
  06-12-96                          Date
     09-10                          Time
1234  0005                          Machine No./Consecutive No.

         X                          READ symbol

01     •1•00I  @                    Dept. No./Unit price/Tax status
       0012                         Single Item Status/Listing capacity*1
02     •2•00II  @
       0012
03     •3•00III  @
       0012
       40•00I  @
       0012

       0000CA                       Cash key programming
       0000CH                       Charge key programming
       0000    CK                   Check key programming
       0000*   -                    Minus key programming
    12•34    %  -                   Discount/Premium rate
       0000*                        Discount/Premium key programming

0122   0022                         Monetary mode/Date printing order
0222   1234                         Store/Machine number
0522   0020                         Printing controls
0622   0000                         Compulsory/Calculation method control
0822   0000                         Printing control of X/Z report
1022   0000                         Calculation mode control

0125
       10    %
       5003                         Tax table 1*1
       0000
0225
         0   %
       0000                         Tax table 2*1
         02
       0052
0325
    10•25    %
       5003                         Tax table 3*1
       0000
0132
  801-                              Tel. number
  123-4567

  06-12-96                          Date
```

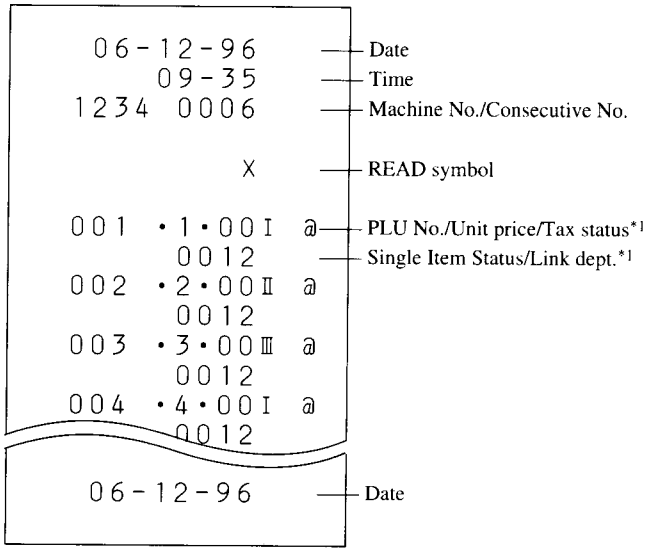
*1 Department or tax table without being programmed are not printed out on this report.

To print programming

OPERATION



REPORT



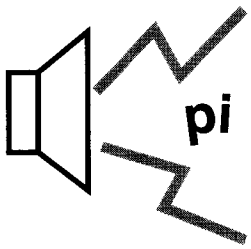
*1 PLU without being programmed is not printed out on this report.

This section describes what to do when you have problems with operation.

When an error occurs

Errors are indicated by an error tone. When this happens, you can usually find out what the problem is as illustrated below.

ERROR TONE



Does the display show an error code?

No ⇩

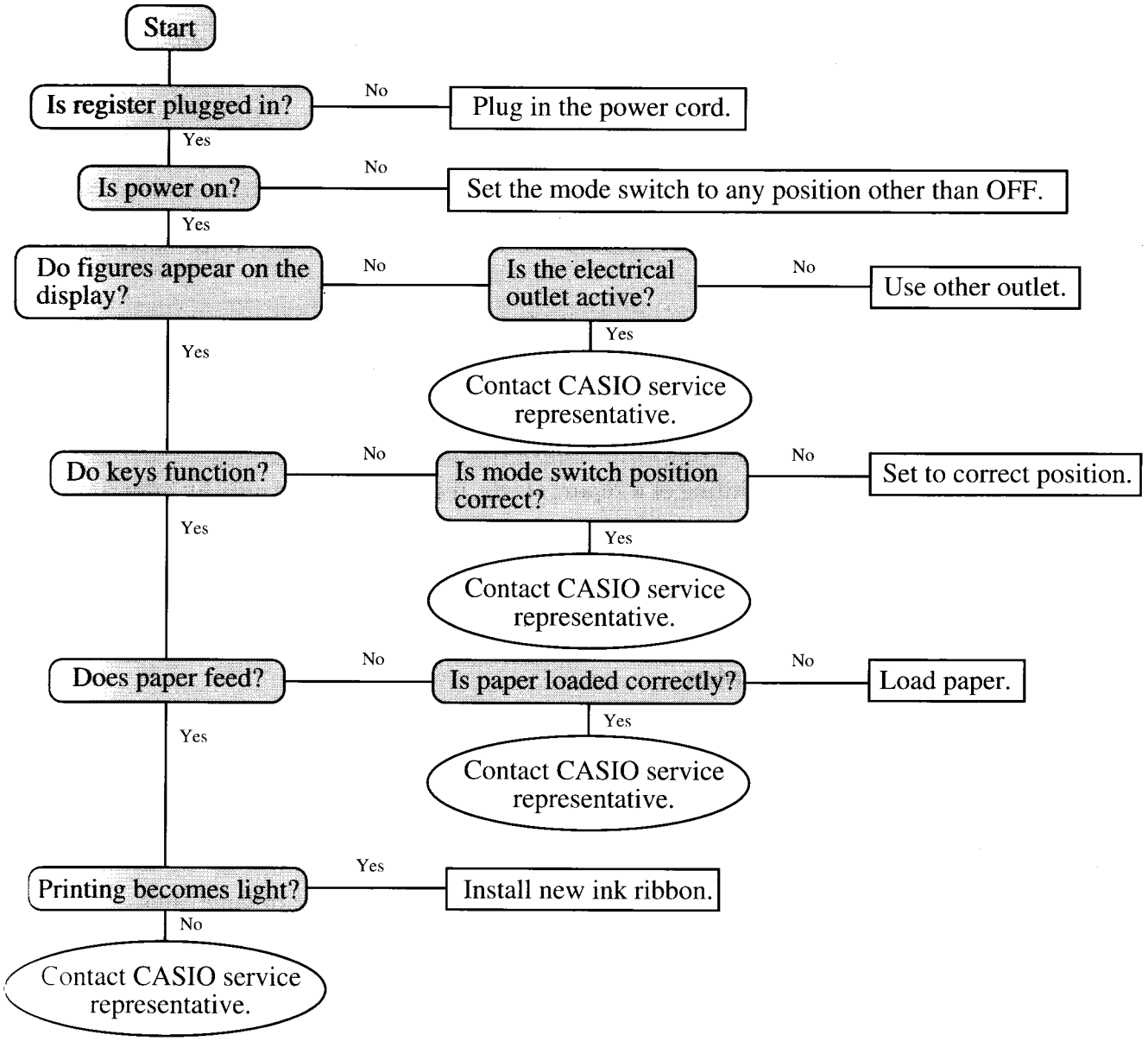
Yes ⬇

Error Code	Meaning	Action
E01	Mode switch position changed before finalization.	Return the mode switch to its originals setting and finalize the operation.
E08	Registration without entering a clerk number. This error appears only when the clerk control function is activated.	Enter a clerk number.
E31	Finalization of a transaction attempted without confirming the subtotal.	Press the [SUB TOTAL] key.
E33	Finalize operation attempted without entering amount tendered.	Enter the amount tendered.
E38	READ/RESET operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E94	Printer error.	Turn the power off, and remove jammed paper from the printer.

Press the [C] key and check the appropriate section of this manual for the operation you want to perform.

When the register does not operate at all

Perform the following check whenever the cash register enter an error condition as soon as you switch it on. The results of this check are required by service personnel, so be sure to perform this check before you contact a CASIO representative for servicing.



In case of power failure

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any on-going transaction as well as all sales data in memory are protected by the memory backup batteries.

- Power failure during a registration
  The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.
- Power failure during printing a READ/RESET report
  The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.
- Power failure during printing of a receipt and journal
  Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.
- Other
  The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

Important!

Once receipt/journal printing or printing of a report starts, it can be stopped only by interruption of power to the cash register.

When the L sign appears on the display

About the low battery indicator

The following shows the low battery indicator.

If this indicator appears when you switch the cash register on, it can mean one of three things:

- No memory backup batteries are loaded in the cash register.
- The power of the batteries loaded in the unit is below a certain level.
- The batteries loaded in the unit are dead.

To clear this sign, press the [C] key.

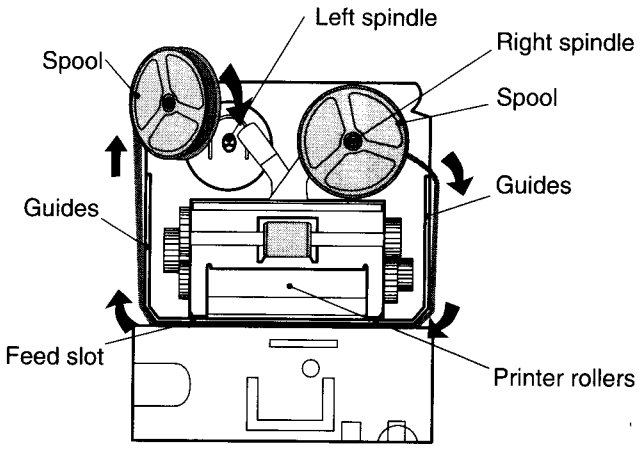
Important!

Whenever the low battery indicator appears on the display, load a set of three new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.

BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.

To replace the ink ribbon

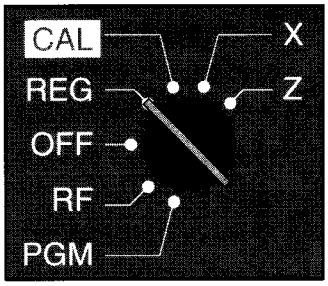
1. Remove the printer cover.
2. Remove the inner cover by grasping its top on the left side and lifting up to the right.
3. Unroll about 10 centimeters of ribbon and place the take-up spool on the left shaft.
4. Insert the ribbon into the ribbon feed slot between the printer rollers. Loop the ribbon around the outside guard brackets as in the illustration.
5. Move the ribbon clip to the left. While holding the clip open, place the feed spool on the right shaft and take up any slack in the ribbon.



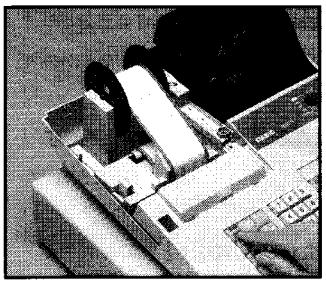
Important!

Use only the RAP-01 ribbon (purple). Other types of ink ribbons can damage the printer. Never try to extend the life of an ink ribbon by replenishing the ink. Once an ink ribbon is in place, press the #/NS key to test for correct operation.

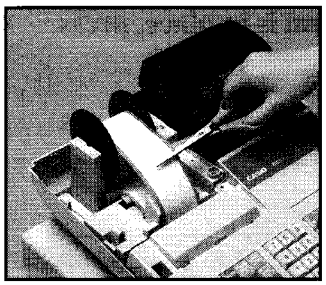
To replace journal paper



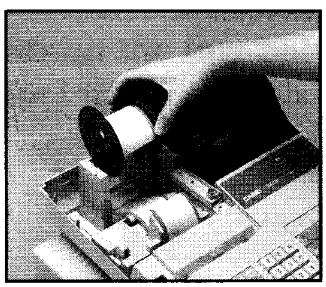
1 Set the mode switch to the REG position and remove the printer cover.



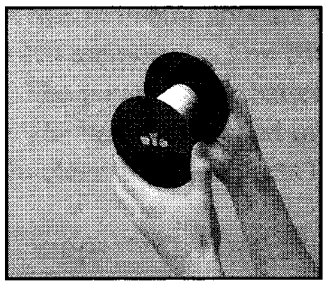
2 Press FEED to feed about 20 cm of paper.



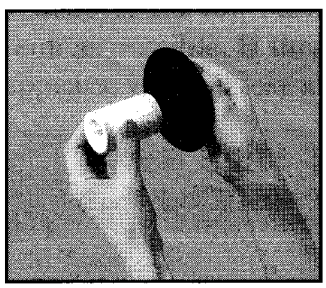
3 Cut the journal paper at the point where nothing is printed.



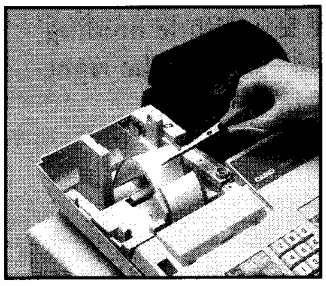
4 Remove the journal take-up reel from its holder.



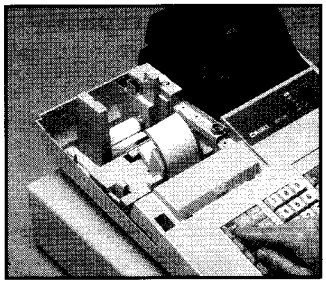
5 Remove the flat plate from the side of the take-up reel.



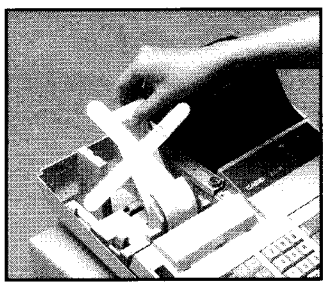
6 Slide the printed journal from the take-up reel.



7 Cut the journal paper as shown in the photograph.



8 Press FEED to feed the remaining paper from the printer.

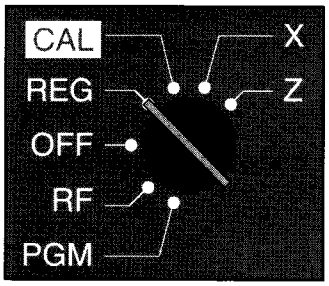


9 Do not pull the paper out of the printer by hand. It can damage the printer.

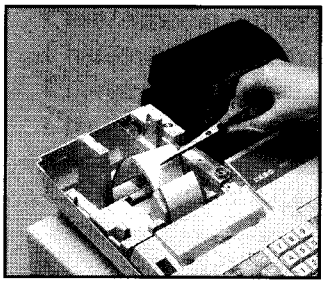
10 Remove the old paper roll from the cash register.

11 Load new paper as described on page 10 of this manual.

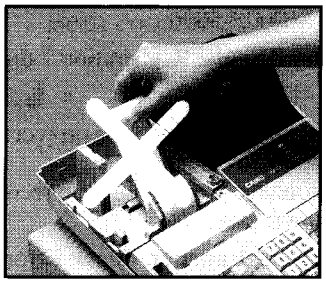
To replace receipt paper



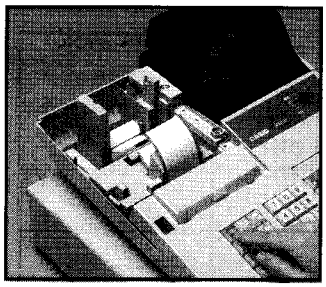
1 Set the mode switch to the REG position and remove the printer cover.



2 Cut the receipt paper as shown in the photograph.



4 Do not pull the paper out of the printer by hand. It can damage the printer.



3 Press FEED to feed the remaining paper from the printer.

5 Remove the old paper roll from the cash register.

6 Load new paper as described on page 9 of this manual.

Options

WT-73 Wetproof Cover

The optional wetproof cover protects the keyboard from moisture damage.

Specifications

INPUT METHOD

Entry:	10-key system; Buffer memory 8 keys (2-key roll over)
Department:	Full key system

DISPLAY (LED) Amount 8 digits (Zero suppression); Department No.; PLU No.; No. of repeats; TOTAL; CHANGE; X mode; Z mode; Receipt On/Off

PRINTER

Printer:	Single sheet impact printer (Receipt or journal printing) 12 digits (Amount 10 digits/Symbol 2 digits)
Journal:	Automatic take up roll winding
Print speed:	3.2 lines/sec.
Feed speed:	3.2 lines/sec.
Paper roll:	58 mm × 80 mm Ø (Max.)
2-ply paper roll:	58 mm × 80 mm Ø (Max.) CASIO CP-5880

CALCULATIONS Entry 8 digits; Registration 7 digits; Total 8 digits

CHRONOLOGICAL DATA

Date print:	Automatic date printout on receipt or journal Automatic calendar
Time print:	Automatic time printout on receipt or journal
Time display:	24-hour system

ALARM Entry confirmation signal; Error alarm

TOTALIZERS

Category	No. of totalizers	Contents				Periodic totalizers
		Amount (8 digits)	No. of items (4 digits)	Count (4 digits)	No. of customers (4 digits)	
Department	4	○	○ (4 digits integer/ 2 digits decimal)			○
PLU	100	○	○ (4 digits integer/ 2 digits decimal)			
Hourly sales	24	○			○	
Clerk*	4	○			○	
Transaction	23	○ or	○ or	○ or	○	○
Non resettable grand sales total	1	○ 14 digits				
Reset counter	5			○		○
Consecutive No.	1			○ 4 digits		

* Available only when the clerk control function is active on the cash register.

Memory protection batteries The effective service life of the memory protection batteries (three new SUM-3 or UM-3 type batteries) is approximately one year from installation into the machine.

Power supply/ Power consumption As noted on the plate affixed to right side of register.

Operating temperature 0°C - 40°C

Humidity 10 - 90%

Dimensions and Weight 284mm (H) × 400mm (W) × 468mm (D)/ 10.5kg...with medium size drawer

**** Specifications and design are subject to change without notice.***

A

Amount tender compulsory 55
Arithmetic operation key 21, 56

B

Battery compartment 6, 18

C

Calculator mode 20, 56
Cash/Amount tender key 21
Change preparation 24
Charge (key) 21
Charge (registration) 34
Check (key) 21
Check (registration) 34
Clear (key) 21
Clear (operation) 38, 56
Clerk number key 21
Clerk sign on/off 42
Correction 38, 39
Consecutive number 22, 44, 46

D

Daily sales report 41, 60
Date & time display 24, 46
Date & time setting 12
Denmark rounding 14
Department key 21
Department registration 25, 27
Department report 58
Discount 30, 31, 53, 54
Display 19
Drawer 18, 20
Drawer lock 18, 20
Drawer open key 21
Drawer release lever 20

E

Equal key 21
Error code 66
Error correct key 20
Error correct registration 39

F

Feed key 20
Financial report 59

G

Grand total 41, 45, 60

H

High digit limitation 49, 51

I

Ink ribbon (location) 18
Ink ribbon (replacement) 69
Item counter 22, 44

J

Journal 10, 12, 22
Journal skip 22, 44

K

Key (Drawer key) 18, 20
Key (Mode key) 18
Key (Operator key) 18
Key (Program key) 18
Keyboard 18, 21

L

Low battery indicator 68
Load 1-ply paper for journal 10
Load 1-ply paper for receipt 9
Load 2-ply paper 11

M

Machine number 22, 48
Main display 18, 19
Memory backup battery 6, 7
Memory recall 56
Minus key(reduction) 20, 32, 33
Mode key 18
Mode switch 18, 20
Money declaration 48, 59, 60
Multiplication key 21
Multiplication registration 25, 29

N

Negative department 51
Negative PLU 52
Non-add key 20
Non-add registration 34

Non-resettable grand total 41, 45, 60
No sale key 20
No sale registration 40

O

Open key 21
Open key operation 49
Operator key 2, 18

P

Paid out key 21
Paid out registration 37
Paper feed key 20
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